

19971205.qrp v00_n930.qrs.971205

Date: Fri, 5 Dec 1997 19:03:19 EST
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 930

QRP-L Digest 930

Topics covered in this issue include:

- 1) [31940] 10 Metre xtal rig schematic?
by "L. Jeffrey Hetherington" <jhetheri@freenet.npiec.on.ca>
- 2) [31941] Egg on my face!
by "Bill Kelsey - N8ET - Kanga US" <kanga@mail.bright.net>
- 3) [31942] N/T fox
by "KA5T Larry Wise" <lewise@inetport.com>
- 4) [31943] re: any one have a '96 ARRL Handbook
by scicior@uswest.com (Steve Ciciora)
- 5) [31944] Regen ckt explained
by Paul Harden <pharden@aoc.nrao.edu>
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- 8) [31947] Re: N/T fox
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- 9) [31948] 9850 vs 7008 DDS
by Steven Weber <kd1jv@moose.ncia.net>
- 10) [31949] Re: DIPOLE IS WORKING
by w4bws@juno.com (Donald E Sanders)
- 11) [31950] Re: SGC2020
by W7LS <w7ls@blarg.net>
- 12) [31951] Fox ??
by "Steve Hurst" <shurst@magiclink.com>
- 13) [31952] Re: 2N2222 Contest - Reflex Amplifiers and QRP design
by w4bws@juno.com (Donald E Sanders)
- 14) [31953] Re: Grounding Question
by Jeff Grudin <grudin@pacific.vdbs.com>
- 15) [31954] SGC 2020
by TJM <tmccuen@compuserve.com>
- 16) [31955] Re: Grounding question
by Vic Rosenthal <rakefet@rakefet.com>
- 17) [31956] Re: SPICE questions
by "Jim Kortge, K8IQY" <jokortge@mci2000.com>
- 18) [31957]
by "tom palmer" <n1tp@worldnet.att.net>
- 19) [31958] FISTS ?? Group ??

- by KF4EIB <KF4EIB@aol.com>
- 20) [31959] WRKed the fox !!
by "Steve Hurst" <shurst@magiclink.com>
- 21) [31960] Fox on first try
by K0su@kktv.com
- 22) [31961] FS or trade TAC-1 80 meter cw rig
by "Kelly Ellison" <kelman@dialnet.net>
- 23) [31962] Re: Fox ??
by n4js@pobox.com (John Sielke)
- 24) [31963] CQC Swap List Update
by "Marshall Emm" <mgemm@mtechnologies.com>
- 25) [31964] Hunters?
by "Tim Ahrens" <tahrens@inetport.com>
- 26) [31965] Re: Hunters?
by Monte Stark <ku7y@sage.dri.edu>
- 27) [31966] 160 m contest
by ALK0FRP <ALK0FRP@aol.com>
- 28) [31967] Holiday Special - GM-10
by "David D. Meacham" <ddm@datatamers.com>
- 29) [31968] FOX log for Thursday (12/5 UTC)
by "William R. Moore" <wr.moore@worldnet.att.net>
- 30) [31969] Re: 38s sideband supression help!
by "Randy Jouett" <rjouett@hotmail.com>
- 31) [31970] FOX--Sigh...
by "Wilford D. Lindsey" <70511.3041@compuserve.com>
- 32) [31971] Foxi
by "KA5T Larry Wise" <lewise@inetport.com>
- 33) [31972] December Meeting A QRP Club
by Glen Reid <k5hgb@flash.net>
- 34) [31973] Re: Grounding Question
by n5inz@juno.com (John M Andrews)
- 35) [31974] Re: Regen ckt explained
by Charlie Lofgren <clofgren@BENSON.MCKENNA.EDU>
- 36) [31975] Re: KL Net 11/30/97
by stevebar@ix.netcom.com
- 37) [31976] RE: CQ WW
by Adrian Weiss <aweiss@sunflowr.usd.edu>
- 38) [31977] Holday Special-GM10??
by n4js@pobox.com (John Sielke)
- 39) [31978] Foxy thoughts
by n4js@pobox.com (John Sielke)
- 40) [31979] PIXIE 2 Kits...
by Bruce Hopkins - KL7JAF <kl7jaf@polarnet.com>
- 41) [31980] Re: Market survey, DDS VFO
by Leon Heller <leon@lfheller.demon.co.uk>
- 42) [31981] 2N2222 Tinkering -- VX0 and AM Detector
by rheiss@sprynet.com (Rob Heiss)
- 43) [31982] Re: 160 m contest

by Monte Stark <ku7y@sage.dri.edu>
44) [31983] Publications
by Jack Bennett <J.Bennett@lboro.ac.uk>
45) [31984] Re: DIPOLE IS WORKING
by Dave Marling <dbm@klis.com>
46) [31985] Re: SGC 2020
by Henry Freedenberg <henryf@quartz.gly.fsu.edu>
47) [31986] Re: K8FF Paddle NOTE!
by cjl@mail09.mitre.org (Charles J. Ludinsky)
48) [31987] RE: Palmtop Computers
by "John W. Stevens" <stevensj@sound.net>
49) [31988] NOVICE 40 OPEN LATE
by ARDUJENSKI <ARDUJENSKI@aol.com>
50) [31989] Christmas Propagation
by torell@sicom.com (Kent Torell)
51) [31990] Re: DeMaw Univ. TX QSY to 30M?
by torell@sicom.com (Kent Torell)
52) [31991] Regenerative "RECEIVER"
by Stanley Wilson <microres@crl.com>
53) [31992] Re: PIXIE 2 Kits...
by "Ron Smith" <resmith@primenet.com>
54) [31993] Re: Hunters?
by Ed Loranger <we6w@qsl.net>
55) [31994] Another use for Altoids!
by David Snowdon <norway@interlog.com>
56) [31995] Re: PIXIE 2 Kits...
by "Harvey D. D. Hetland" <n6mm@earthlink.net>
57) [31996] FOR SALE OR TRADE
by k4wz@juno.com (RON L TODD)
58) [31997] 10 M kit radios
by n4so@juno.com (charles k brown)
59) [31998] Re: SGC 2020
by Tim Ahrens <tahrens@inetport.com>
60) [31999] Re:FOX log for Thursday (12/5 UTC)
by Tim Ahrens <tahrens@inetport.com>
61) [32000] Re: 38s sideband supression help!
by Charlie Panek <charlier@lsid.hp.com>
62) [32001] Fox: My face is red
by "Michael A. Gipe" <mgipe@reliablemeters.com>
63) [32002] NO FOX, HOW 'BOUT ARUBA
by kreinbd@ccgate.dl.nec.com (David Kreinberg)
64) [32003] Re: 9850 vs 7008 DDS
by Laura HALLIDAY <ve7ldh@direct.ca>
65) [32004] DX is DX in a contest
by bcutter@teal.csn.net (Bob Cutter)
66) [32005] Help! Surface Mount TiCK1
by "Michael Fletcher" <kl7ixi@mailcity.com>
67) [32006] Re: Fox: My face is red

by "Ed Hare, W1RFI" <ehare@arrl.org>
68) [32007] Thanks to all
by "Steve Hurst" <shurst@magiclink.com>
69) [32008] [Fwd: SG-2020]
by "Jeff M. Gold" <jmg@tntech.edu>
70) [32009] Re: Help! Surface Mount TiCK1
by Michael Maiorana <mikemo@ibm.net>
71) [32010] Re: Help! Surface Mount TiCK1
by Randy Foltz <rfoltz@wsunix.wsu.edu>
72) [32011] FOX:"The Tale Of The Christmas Fox"
by Ed Loranger <we6w@qsl.net>
73) [32012] FS: OHR-400 + keyer
by "John P. Spoonhower" <spoon@kodak.com>
74) [32013] NN1G
by tom whalen <whalen@swcp.com>
75) [32014] FS: YAESU solid state QRP - Model FT-7
by Roger Whitaker <k9lj@iname.com>
76) [32015] WTB: TenTec 9MHz Filters
by Gary Hembree <Gary.Hembree@ASU.edu>
77) [32016] Fox schedule
by kq0i@juno.com (Mark R Milburn)
78) [32017] Re:FOX:"The Tale Of The Christmas Fox"
by Tim Ahrens <tahrens@inetport.com>
79) [32018] Re: 9850 vs 7008 DDS
by Tim Ahrens <tahrens@inetport.com>
80) [32019] Re: Fox schedule
by Ed Loranger <we6w@qsl.net>
81) [32020] foxes
by mike@krypton.nmr.Hawaii.Edu (Mike W. Burger)
82) [32021] FOX: AL7FS is DEC 12th!!!
by Ed Loranger <we6w@qsl.net>
83) [32022] FOX: N0GLM report for 5 Dec UTC
by "Buck, Preston D" <BuckPD@corning.com>
84) [32023] Re: FOX: N0GLM report for 5 Dec UTC
by Ed Loranger <we6w@qsl.net>
85) [32024] Pixie 2 / HSC Update...
by Bruce Hopkins - KL7JAF <kl7jaf@polarnet.com>
86) [32025] Re: 9850 vs 7008 DDS
by Conway Yee <cyee@bidmc.harvard.edu>
87) [32026] Re: KS4L Fox
by Bob Tellefsen-CNSE97 <Bob_Tellefsen-CNSE97@email.mot.com>
88) [32027] Use for XEROGEL
by Ed Loranger <we6w@qsl.net>
89) [32028] Re: Best way to de-flux circuit boards?
by John Moriarity <k6qq@SOCAL.WANet.com>
90) [32029] Re: PIXIE 2 Kits...
by WA8GHZ /5 Jack Dougherty <jdougher@wt.net>
91) [32030] Re: DC/VA/MD QRP Show & tell & dinner, Friday December 5th

by George Gingell <k3tks@u1.abs.net>
92) [32031] Re: Best way to de-flux circuit boards?
by Ed Loranger <we6w@qsl.net>
93) [32032] Re: PIXIE 2 Kits...
by Ed Loranger <we6w@qsl.net>
94) [32033] NN1G
by tom whalen <whalen@swcp.com>

Date: Thu, 4 Dec 1997 19:14:10 -0500 (EST)
From: "L. Jeffrey Hetherington" <jhetheri@freenet.npiec.on.ca>
To: Multiple Recipients of List <qrp-l@Lehigh.EDU>
Subject: [31940] 10 Metre xtal rig schematic?
Message-ID: <Pine.A41.3.96.971204191101.43964A-100000@NiagaraNet.npiec.on.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi all. Been looking around my books, thru the internet web sites (found a bunch of great future projects here) and through the library at my local club ... but to no avail.

What I am looking for is a simple QRP/QRPP xceiver for 10 metres. With the increasing sunspots, and 10 metres coming around I think a 1/2 watt 10 metre rig could provide a bunch of fun. I found circuits for 40 and for 30, but nothing for 10/12 or 15 metres.

Can anybody point me to a source?

I second Dr. Rick's suggestion of a 10 metre CW/SSB kit ... sounds like a lot of fun!

73/72

Jeff - VA3JFF

<http://www.geocities.com/Colosseum/2572/QRP.html>

=====
L. JEFFREY HETHERINGTON
Niagara Falls, Ontario, Canada
E-mail: L.Jeffrey.Hetherington@InternetAddress.com

Date: Fri, 5 Dec 1997 00:16:29 -5
From: "Bill Kelsey - N8ET - Kanga US" <kanga@mail.bright.net>
To: qrp-l@Lehigh.EDU

Subject: [31941] Egg on my face!
Message-ID: <199712050020.TAA13923@sparticus.bright.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

N0TU looked at the the article that I refered to in QRP Power about the 2N2222 rig, and brought me into focus a bit!

Although I have not posted anything (yet) on the 2N2222 Project, I am pretty excited about it, and when I was scanning QRP Power looking for ideas and found the article which had nothing but 2N2222 equivalent transistors and was a complete xcvr, I "saw what I was looking for" and not what was actually there.

What the article is actually, is a rcvr section of a xcvr that uses only 2N3904 (2N2222 equiv) transistors and a DBM diode mixer.

I will provide a schematic and parts list for the tx section to all those who have ordered the book, but it won't happen until I get back from TX next week (Chuck is in MN - someone has to keep TX in line!)

While I am in the "coming clean" mode - there was post about the super repair service I provide..... Michael's problem was a quick easy fix on a small tx. I have a couple of the larger kits that I have had for WAY too long - I hope to get to them over xmas. The posts from the owners of thsoe two rigs would not be as golden as the ones that have been showing up on the list the past couple of days....

Kanga is a hobby for me - the repairs I do are done for only the cost of the return shipping (and parts - if you obviously smoked 'em yourself!) and when a kit is returned for repair it is done with the understanding it will be looked at when I can get time.

In any event - QRP Power is still an excellent book - and full of good stuff for the 2N2222 project - I still have some in stock, and if I need more - the ARRL does ship in a timely fashion, but their stock is apparently in a warehouse in another part of town - unlike my "warehouse" which is a box next to the PC where a lot of the orders come in.

I am out of the GQRP Circuit handbook -other than one copy I am saving for a VE ham who was waiting out the postal strike to order. I will have more when G3RJV arrives for Dayton.

I hope no one is too upset about my misrepresentation of the content

of the article in QRP Power. It was an honest mistake. If you bought the book from me and feel like it is not what you expected - send it back and I will send you a refund.

Now back the the regular list stuff. Is anyone intersted in a group buy of the 1998 ARRL Handbook??

73 - Bill - N8ET
Kanga US
kanga@mail.bright.net
<http://www.bright.net/~kanga/>
419-423-4604

Date: Fri, 05 Dec 97 00:21:42
From: "KA5T Larry Wise" <lewise@inetport.com>
To: "qrp" <qrp-1@Lehigh.EDU>
Subject: [31942] N/T fox
Message-ID: <199712050022.SAA14358@admin.inetport.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Anyone hear Preston???

Larry KA5T lewise@inetport.com Georgetown, Texas

Date: Thu, 4 Dec 1997 17:25:51 -0700
From: scicior@uswest.com (Steve Ciciora)
To: qrp-1@Lehigh.EDU
Subject: [31943] re: any one have a '96 ARRL Handbook
Message-ID: <199712050025.RAA03039@sp5-316.uswc.uswest.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Md5: deLOC/HLR8g/hW0AdEQwEg==

Boy, hams are great! In less than 24 hours, I've had over 20 replies for my request for lost software. Several people have emailed me the needed files, so I'm all set. I'll have to make sure that next time I have the opportunity, I 'pay back' the ham community!

Thanks to all,
Steven Ciciora

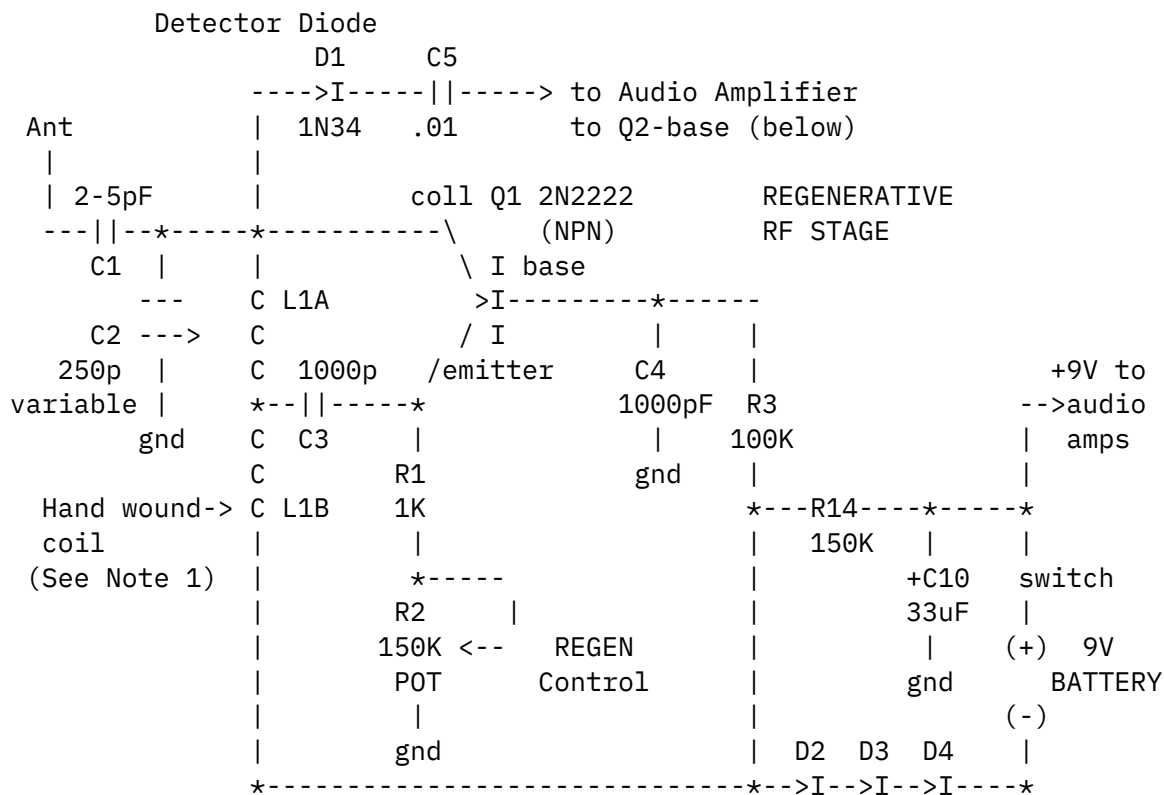
Date: Thu, 4 Dec 1997 17:39:45 -0700 (MST)
From: Paul Harden <pharden@aoc.nrao.edu>
To: qrp-1@Lehigh.EDU
Subject: [31944] Regen ckt explained
Message-ID: <199712050039.RAA20802@zia.aoc.NRAO.EDU>

Trying to be the quasi-conscious type about using excessive bandwidth and all that ... I hesitate to post this due to the narrow range of interest. But I have about 2 dozen emails in the past two days from QRPers wanting to know how the regen circuit works, which is right up there with how to clean a circuit board with acetone or alcohol :-)

So here goes and my apologies to those who feel it intrusive.

SCHEMATIC DIAGRAM -- REGENERATIVE RECEIVER

See CIRCUIT DESCRIPTION at bottom of schematic





CIRCUIT DESCRIPTION:

The regenerative (regen) stage is basically a Hartley oscillator, the kind with the tapped inductor. The frequency of operation is determined by the inductance of L1A+L1B and capacitance C2, C3 and C4. L1B, with about 1/3rd less windings than L1A, is where the feedback energy occurs.

The collector of Q1 (the regen stage) operates off about +2v, which is developed from the 9v battery line by the three diodes in series, D2-D4, and dropping resistor R14. Each diode drops about 0.7v, thus about 2.1v is dropped across all three, forming a "poor man's" low voltage regulator. This 2v "bias" is filtered by C9 (which can be anything >10uF or so) and bypassed to RF by C8. Most regens run at the battery voltage, making them oscillate very easily, if not very touchy. This low-voltage technique of the N1TEV design offers a very smooth regen action, and when it does break into oscillation, it is actually quite tame. As a result, I find this approach to be superior for detecting AM signals, such as for listening to the international shortwave broadcast stations ... but does tend to be a bit soft for weak CW signals.

Pot R2 (which can be 50K to 500K) is the regen control. It is the emitter resistor, and it's setting determines how much current flows through Q1 and hence how much feedback voltage is produced across L1B, which is "re-injected" into Q1 via C3. Obviously a point is reached where more current flowing through Q1 will cause enough feedback voltage that it begins to self-oscillate and will "squeel" when this happens. The objective is to increase the current through Q1 (by pot R2) such that it's amplification factor increases JUST prior to breaking into self-oscillation. At this point, the amplification gain factor is VERY high, with gains >100,000 not uncommon. Although it is just short of a science learning how to acquire this magic-point and keep it there for any length of time ... of course for some of us, this is the romance of a regen! Again, the low 2v bias applied to Q1 collector (through L1A+L1B) does tame the typical regen action quite well.

Although not shown in the schematic (which I keyed in several years ago), one dramatic improvement is to add an emitter follower stage to drive the detector diode. This reduces the load D1 presents to the regen stage, making far more RF available to the detector, and hence audio voltage that can be recovered.

Bias the emitter follower base with a 20K resistor to +9v and a 20K

to ground (biasing the base at about +4v). Connect the base of the emitter follower to the collector of Q1 via a .001uF cap (a .01uF causes too much loading). The collector goes directly to +9v, and the emitter goes to ground via a 1K resistor. From the schematic above, D1 would then be connected to the emitter follower emitter, not to Q1 collector. The remainder of the circuit remains unchanged, or do your own audio circuit(s).

All transistors can be 2N2222's. D2-D4 can be replaced with a 50K pot or so, connected between ground and +9v, such that the wiper is set at about +2v if you don't have 3 diodes handy ... or use 3 2N2222 transistors as diodes (emitter-base junctions).

I have built regens to look like commercial radios, have built them inside of old vacuum tubes, Altoid boxes, etc. They are fun to build and operate, and you likely have the parts laying around. Open air variable cap works the best for C2 (highest Q), although the mini-poly caps will work, as well as using varicaps (with a smaller tuning range since you need 300-500pF to resonate with the handwound coil for the 3-12MHz region).

Enjoy (and let me know if you got yours to work!)
72, Paul NA5N

Date: Thu, 4 Dec 1997 18:45:08 -0600
From: "Tim Ahrens" <tahrens@inetport.com>
To: <qrp-1@Lehigh.EDU>
Subject: [31945] SGC2020
Message-ID: <199712050046.SAA15445@admin.inetport.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Now that's really bogus! Price up to \$625 WITH microphone.

That's really a mickey mouse way to do something!

oh well

Tim W5FN

Date: Thu, 04 Dec 1997 19:50:53 -0500
From: Michael <MichaelN@cycat.com>
To: qrp-l mailing list <qrp-l@Lehigh.EDU>
Subject: [31946] Re: N/T fox
Message-ID: <34874FED.3647@cycat.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

lewise@inetport.com wrote:

>
> Anyone hear Preston???
>
> Larry KA5T lewise@inetport.com Georgetown, Texas

Not yet. :-(

I have been tuning the entire novice section and using different antennas.

Hmmmm
Sounds like the band is changing,,, back later.

michael N6CHV/4 (in central FL)

Date: Thu, 04 Dec 1997 16:50:53 -0700
From: "Michael Fletcher" <kl7ixi@mailcity.com>
To: qrp-l@Lehigh.EDU
Subject: [31947] Re: N/T fox
Message-ID: <NNGDJCFLJLMAAAAA@mailcity.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hey, I don't even get off work for another 10 minutes! Save some foxii for me!

72,
Mike KL7IXI
SW Washington

Free web-based e-mail, Forever, From anywhere!
<http://www.mailcity.com>

Date: Thu, 04 Dec 1997 19:55:50
From: Steven Weber <kd1jv@moose.ncia.net>
To: qrp-1@Lehigh.EDU
Subject: [31948] 9850 vs 7008 DDS
Message-ID: <3.0.1.16.19971204195550.2c3f85ac@mailhost.ncia.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Howdy,

Now that I've got you all thinking about DDS again, a few words on the relative merits of the 9850 and 7008.

The 7008 was the first high performance DDS chip Analog Devices came out with, several years ago now. It has some very nice features built into it. One of the neat things it can do, due to the built in I/Q modulators, is directly produce SSB, AM or phase modulation. However, to use these modulation registers, you really need to mate it to a DSP chip. Way beyond my meager programming abilities. I have however, been able to use the modulation registers to change the phase, in cases where that is important and to adjust the output level. I made a version so that the output level could be set in 1 dB steps from 0 to -25 dB, relative to whatever the 0 dB happens to be.

The relatively large size of the 7008 makes it easy to work with. However, I don't recommend using a PLCC to dip adaptor, as this moves the by pass caps fairly far from the chip. Operating at a 50 Mhz clock, the by pass caps need to be as close to the chip as possible. I also found a double sided ground plane board makes a significant improvement in the over all noise seen on the signal output. My first design (the DDS Dream VFO, Oct 95 *73*) used a single sided board, and that was a big mistake.

The 9850 is a big improvement over the 7008 in one area. Spurs. The 7008 isn't at all bad, as DDS goes, and was a quantum leap over the Harris HSP45102 and CA3333 designs we first saw in Ham radio.

In the 9850, an improved D/A converter structure is used, designed specifically for DDS operation. The new D/A greatly reduces spurs due to "glitch energy", energy stored in the D/A latches and released when they change state. Narrow band SFDR (spurious free dynamic range) is typically 80 dBc for the 9850 and only 60 dBc for the 7008.

The other big improvments over the 7008 are lower power consumption (the 7008 eats up a watt at a 50 Mhz clock, as opposed to 380 mw at 125 Mhz for the 9850 and only 155 mw at a 3.3 V supply at 110 Mhz clk) The 9850 also has a much higher output frequency, up to 44 Mhz with a 125 Mhz clock, as opposed to the 7008 which starts to degrade at 16 Mhz and operation above 23 Mhz is not recommended.

The spurs generated by either the 9850 or the 7008 are below the limits we need for QRP transmitters. In receiver applications, the spurs, even those in the 9850 are more than what many people feel are acceptable. This is definitely the case for a high end, high performance receiver. To some extent, this problem can be minimized by using band pass filters between the DDS and the Rx mixer. On the other hand, it is very difficult to build a VFO that will cover the whole HF spectrum with the turn of a knob, with digital read out, 1 Hz resolution, low phase noise and rock solid stability, so the occasional spur we might hear is a very acceptable trade off in my book.

The main problem with the 9850 is its size. It's just sooo darn small. It's hard to fabricate a homebrew pcb for it (although it can be done, I've done it) and is a pain to solder on the board. because of that, I have been a bit reluctant to produce the 9850 VFO kit. I finally said the heck with it and plan on soldering the chip to the board for you. (unless you want to give it a try..)

Hope this technical post was of interest and more than you ever wanted to know :-)

72,
Steve, KD1JV....In the White Mountains of New Hampshire

"Melt Solder"

Date: Thu, 04 Dec 1997 16:52:38 EST
From: w4bws@juno.com (Donald E Sanders)
To: henryf@quartz.gly.fsu.edu
Cc: qrp-1@Lehigh.EDU
Subject: [31949] Re: DIPOLE IS WORKING
Message-ID: <19971204.180612.6959.0.W4BWS@juno.com>

Henry, hamshack is in bedroom and have laid in bed at nite and heard the cracks and seen the flashes from the arc overs on the disconnected connectors.

Donald E. Sanders W4BWS
694 E. Eau Gallie Blvd. Satellite Beach, Fl 32937

407-779-0222 Fax 407-779-0830
E-mail to w4bws@juno.com
My favorite QRP rig glows in the dark

Date: Thu, 04 Dec 1997 17:08:38 -0800
From: W7LS <w7ls@blarg.net>
To: tahrens@inetport.com
Cc: qrp-1@Lehigh.EDU
Subject: [31950] Re: SGC2020
Message-ID: <34875416.7C75@blarg.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I agree. I've heard that the SGC-2020 is really intended for the European commercial users market and the ham market is almost an afterthought. That would explain the extra \$30, which makes no difference to a commercial user.

Anyone heard this, besides me? "No fact, just rumor." :-)

Tim Ahrens wrote:

>
> Now that's really bogus! Price up to \$625 WITH microphone.
>
> That's really a mickey mouse way to do something!
>
> oh well
>
> Tim W5FN

Date: Thu, 4 Dec 1997 18:22:23 -0700
From: "Steve Hurst" <shurst@magiclink.com>
To: <qrp-1@Lehigh.EDU>
Subject: [31951] Fox ??
Message-ID: <199712050120.UAA231932@nss4.cc.Lehigh.EDU>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Anyone hear the fox ???? Can't seem to find him anywhere....

73,
Steve Hurst
KA7NOC (southern Idaho)
<http://www.magiclink.com/web/shurst>
shurst@magiclink.com

Date: Thu, 04 Dec 1997 17:41:42 EST
From: w4bws@juno.com (Donald E Sanders)
To: microres@crl.com
Cc: qrp-1@Lehigh.EDU
Subject: [31952] Re: 2N2222 Contest - Reflex Amplifiers and QRP design
Message-ID: <19971204.185530.6959.4.W4BWS@juno.com>

Chuck,
great post and started the synapses buzzing. If you use audio derived AGC on the reflex amp will it give a hysteresis to the amp? You would have to use delayed and gated AGC with slow attack. On the other hand if you use fast attack and release rf derived would it make a difference in the audio which is slower? GRRRRR- back to the books! There go the extra 2N2222's.

Donald E. Sanders W4BWS
694 E. Eau Gallie Blvd. Satellite Beach, Fl 32937
407-779-0222 Fax 407-779-0830
E-mail to w4bws@juno.com
My favorite QRP rig glows in the dark

Date: Thu, 04 Dec 1997 17:58:23 -0800
From: Jeff Grudin <grudin@pacific.vdbs.com>
To: qrp-1@Lehigh.EDU
Subject: [31953] Re: Grounding Question
Message-ID: <34875FBF.59CB@vdbs.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Well I'm sure I'll get alot of flames on this one.

I have my shack on the second story of my home. When I got started in Ham radio about 3 years ago, I had this same question, the ground would have to be very long. I couldn't figure out an answer so I called the ARRL Tech dept and asked them. They didn't really have a good answer

either. So I never put in a ground at all.

I use a yagi and dipole antenna's. I hear stations from all over the world. I have worked stations in all corner's of the world (Except China and India in which direction my yagi points directly into the hill behind my house). I have worked DX QRP into many areas of the world.

I have never gotten a shock touching my equipment. I don't think there is high rf in the shack.

At field day, camping, mobile, or on my boat my station isn't grounded and seems to work fine.

So, at the risk of sounding stupid, my question is, What would I gain by grounding my station? Bear in mind I am in an area that does not have lightning. There seems to be some risk that the ground would either radiate or offer a high impedance to ground and I don't know what the benefit would be.

--

73 de Jeff AC6KW
grudin@vdbbs.com

QRP-L #16	Private Practice : Companion Animals and
Exotics	
Norcal QRP #1292	Ocean Animal Clinic / Cat Clinic of Santa
Cruz	
	Santa Cruz,
California	

QRP'ers do it with less energy (but lot's of enthusiasm)!

Date: Thu, 04 Dec 1997 21:03:06 -0500
From: TJM <tmccuen@compuserve.com>
To: SGCMKTG@aol.com
Cc: qrp-l@Lehigh.EDU
Subject: [31954] SGC 2020
Message-ID: <348760DA.6D97@compuserve.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

"No Compromise Communications"

Well, When I ordered the 2020 back in July I asked if the mike was included.... was told it was.

Myself and others were suprised to find it missing at the \$595 posted price when the specs were first released.

Well, ok, that the company's option I said... I can live with that, I waited long enough thru the months , what's a mike, since most either have one that would work or could pick one up at a ham-fest for less than the requested price.

When the new price can out with the mike included , it's too much , I just had to ask WHO THOUGHT OF THAT!!?? Some marketing firm??

I guess it's living up to yr logo; "No Compromise Communications"
Sure the mike is included but so was the original cost of it too.

Check out the QRP-L site re the complaints.

Tom McCuen
AA2VK
cc;qrp-l@lehigh.edu

Date: Thu, 04 Dec 1997 18:20:36 -0800
From: Vic Rosenthal <rakefet@rakefet.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [31955] Re: Grounding question
Message-ID: <348764F4.6FC4AC51@rakefet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Michael A. Gipe wrote:

> The electrical length may be around
> 16
> feet, which is coincidentally about a quarter wave on 20 meters. The
> nice
> low impedance ground at the ground rod may appear as a high impedance
> at
> the radio end.

The ground rod is not a nice low impedance radio ground even right on

the rod. Ground rods are used to provide protection against electrical faults (if your neutral wire opens up and the hot wire shorts to the chassis, for example, a good ground will cause the fuse to blow instead of you), and --away from the shack-- for lightning protection. An RF ground at HF is a different animal. An antenna system with a properly installed feed line (balanced or using baluns or chokes as necessary, not parallel to the antenna, etc.) will not produce RF in the shack. If it's not perfect (most aren't), you can establish an RF ground at your rig by connecting a single wire 1/4 wavelength long --a single 'radial'-- to the chassis of your rig. For several bands, you can use several wires. The MFJ 'artificial ground' works by resonating an arbitrary wire to produce this effect.

Don't confuse the protective ground system with the RF ground! At HF they are usually not the same.

Vic K2VCO

Date: Thu, 04 Dec 1997 21:45:43 -0500
From: "Jim Kortge, K8IQY" <jokortge@mci2000.com>
To: microres@crl.com
Cc: qrp-1@Lehigh.EDU
Subject: [31956] Re: SPICE questions
Message-ID: <3.0.1.16.19971204214543.2be71f08@mail49.mci2000.com>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii

At 01:13 PM 12/4/97 -0800, you wrote:

>Intusoft has several books, also at various prices.

>

>What book should one give to the first grader ?

>

>One that takes a circuit, generates a file, runs the pgm, displays
>the results, etc..

>

>A hands on walk through the design problem/solution.

>

>A cross between a cookbook and manual. Any recommendations ?

>

Stan...I have Paul W. Tuinenga's "SPICE - A Guide to Circuit
Simulation and Analysis Using PSPICE" Kinda old, but was
the "bible" in many of the university EE programs back in
the 80's.

Std disclaimer etc....

72 and kind regards.....Jim

Jim Kortge, K8IQY (ex NU8N) | NorCal, QRP-L
jokortge@mci2000.com | _o H.F. bicycle mobile
Fenton, MI | _\<, Mizuho 17/40 SSB
... .. (*)/(*)
NorCal 38S/30 Log - 34 States; 40 Countries - Running 3 watts
Most recent - Iowa Mauritius

NorCal 38S/17 Log - 18 States; 32 Countries - Running 1.5 watts
Most recent - New Mexico S. Africa

Date: Thu, 4 Dec 1997 09:57:17 -0500
From: "tom palmer" <n1tp@worldnet.att.net>
To: <qrp-l@Lehigh.EDU>
Message-ID: <19971205025716.AAA1511@default>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

KS4L on 7.042 with big signal in FL. N1TP QRP-L #1317

Date: Thu, 4 Dec 1997 21:57:11 EST
From: KF4EIB <KF4EIB@aol.com>
To: qrp-l@Lehigh.EDU
Subject: [31958] FISTS ?? Group ??
Message-ID: <26bbc647.34876e27@aol.com>
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

I have heard mention of a group (?) called Fists... CW interest?
Please e-mail me privately if possible
72 / 73
kf4eib gordon

Date: Thu, 4 Dec 1997 20:19:02 -0700
From: "Steve Hurst" <shurst@magiclink.com>
To: <qrp-1@Lehigh.EDU>
Subject: [31959] WRKed the fox !!
Message-ID: <199712050316.WAA247388@nss4.cc.Lehigh.EDU>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Gang,

Tnx to all who responded to my fox question. I found him !!! Not very strong though, 339 here in Idaho. Tnx Randy for the contact !! Was just about to give up on the fox hunt for tonight !!! Tnx again all..... C U next time !!! :-) :-)

73,
Steve Hurst
KA7NOC (southern Idaho)
<http://www.magiclink.com/web/shurst>
shurst@magiclink.com

Date: 4 Dec 1997 20:15:56 -0700
From: K0su@kkktv.com
To: qrp-1@Lehigh.EDU
Subject: [31960] Fox on first try
Message-ID: <199712050315.WAA188286@nss4.cc.Lehigh.EDU>

The QRP gods must have been listening to me tonight. I got the Fox on my first call!! Tnx Randy.

73, Rick
K0SU
Colorado Springs, CO
CQC #100 -- QRP-L #539
www.qsl.net/k0su

Date: Thu, 4 Dec 1997 21:40:05 -0600
From: "Kelly Ellison" <kelman@dialnet.net>
To: <qrp-1@Lehigh.EDU>
Subject: [31961] FS or trade TAC-1 80 meter cw rig
Message-ID: <199712050338.VAA03508@shell.dialnet.net>

MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Hi all,
The OHR Classic and MFJ tuner appear to be sold.

I still have the S&S Engineering TAC-1 80 meter rig. This is a high Quality monoband CW Transceiver with micro-controller enabled LCD digital display. Would trade towards a Scout 555 or 556, a 40 meter TAC-1, QRP+ or LDG Autotuner. Cash price \$180.00. The rig can be seen at:

<http://www.xmetric.com/sseng/tac1.shtml> . Email direct at kelman@dialnet.net

Thank you,

Kelly Ellison
WB0WQS
QRP-L #702

Date: Fri, 05 Dec 1997 03:45:42 GMT
From: n4js@pobox.com (John Sielke)
To: qrp-l@Lehigh.EDU
Subject: [31962] Re: Fox ??
Message-ID: <3487784d.772300@mail.cyberenet.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: quoted-printable

On Thu, 4 Dec 1997 18:22:23 -0700, you typed:

>Anyone hear the fox ???? Can't seem to find him anywhere....
>
>
>73,
>Steve=20

Yep, he was there. I only had 1/2 hour before I had to leave for work. Heard im on the GQ40, but VERY weak. The Texans were as usual 599! Those late start times are tough on us East Coasters, when the fox is a fellow East Coaster! Skip was long by start time tonight.=20

- - - - =20

/ \ / \ / \ / \ John L. Sielke n4js@pobox.com n4js@qsl.net
(N)(4)(J)(S) NJ Grid:FM29LN <http://www.qsl.net/n4js>
_/ _/ _/ _/ NJ-QRP #57 QRP-L #884 QRP-ARCI ARQrp #86
G-QRP #9544 NorCal #1989 CQC AKQRP QCWA FISTS #2781

Date: Thu, 4 Dec 1997 20:58:00 -0600
From: "Marshall Emm" <mgemm@mtechnologies.com>
To: cqclist@lists.csn.net, qrp-1@Lehigh.EDU
Subject: [31963] CQC Swap List Update
Message-ID: <199712050357.UAA05470@bobcat.sni.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

The CQC Swaplist has been updated. Check it out on the
web: <http://www.mtechnologies.com/mthome/cqc.htm>

Or email me to be put on the email distribution list.

73
Marshall Emm
N1FN/VK5FN
n1fn@mtechnologies.com
Milestone Technologies
Software, kits, tools...
<http://www.mtechnologies.com/mthome>
(303)752-3382
--

Date: Thu, 04 Dec 97 22:10:18 PST
From: "Tim Ahrens" <tahrens@inetport.com>
To: qrp-1@Lehigh.EDU
Subject: [31964] Hunters?
Message-ID: <MAPI.Id.0016.00616872656e73203030303730303037@MAPI.to.RFC822>
MIME-Version: 1.0
Content-Type: text/plain; charset="ISO-8859-1"; X-MAPIextension=".TXT"
Content-Transfer-Encoding: quoted-printable

I heard Randy come from about 339 at the beginning, and within
30 minutes, he was always about s5 or s6. It sounded like he sent
more CQ Fox than he gave out pelts. Was it just that everybody

was somewhere else, or was prop terrible? I figured it would go long & jump over me here in Texas.. but not so.

Anyhow, Great Job Randy, sorry there weren't more hunters to jump you!

cu

Tim W5FN

Date: Thu, 04 Dec 1997 20:38:18 -0800
From: Monte Stark <ku7y@sage.dri.edu>
To: tahrens@inetport.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [31965] Re: Hunters?
Message-ID: <3487853A.428C@sage.dri.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi Tim,

I had a good night tonight.

Got both fox's! :-)

Preston was doing a great job with my weak signal. Some QRM also but he just got the job done!

Randy was booming in here!

Both did good!

--

73, Ron, KU7Y

NRA Life-----Ex W6JX0, DL4RF, N7CRV-----SOWP #5545-M
QRP QRCI #8829----NorCal #330----QRP-L #17-----ARS #49
AR QRP #150-----DM09cg-----New Washoe City, NV

Date: Thu, 4 Dec 1997 23:37:54 EST
From: A1K0FRP <A1K0FRP@aol.com>

To: qrp-1@Lehigh.EDU
Subject: [31966] 160 m contest
Message-ID: <a8212670.34878524@aol.com>
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

My 160 sloper is up and the end is tied to a different neighbors fence , this year, hope it is not cut down before the end of the contest.

Will operate QRP this year only need a bit over 450 q's to win ???

I'll be there will YOU ???

160m contest Friday nite and Sat nite
CU THERE, JUST Call I'll hear you !!!!
Al K0FRP

Date: Thu, 4 Dec 1997 21:59:27 -0800 (PST)
From: "David D. Meacham" <ddm@datatamers.com>
To: qrp-1@Lehigh.EDU
Subject: [31967] Holiday Special - GM-10
Message-ID: <Pine.LNX.3.91.971204214854.14889C-100000@dt1.datatamers.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Gang,
\$65.00 is a STEAL! I built a GM-10 some time ago. It's a neat little rig. I did some mods to mine & it puts out 4.9W with 13.5V, or 4W with a gel cell. The mods are described in my article to appear in the Winter edition of QRPP, the NorCal newsletter.

I have NO connection to Small Wonder Labs, etc... Just a pleased customer. Order a GM-10 at a SUPER price, read my article, and have fun on 10 meters!
72, Dave, W6EMD

Date: Thu, 4 Dec 1997 22:50:01 -0600
From: "William R. Moore" <wr.moore@worldnet.att.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [31968] FOX log for Thursday (12/5 UTC)
Message-ID: <01bd0139\$3f0b22e0\$2c26430c@wrmoorerpc>
MIME-Version: 1.0

Content-Type: multipart/alternative;
boundary="-----_NextPart_000_0045_01BD0106.F470B2E0"

This is a multi-part message in MIME format.

-----=_NextPart_000_0045_01BD0106.F470B2E0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

Greetings!

Well, tonight could certainly have been better for Fox and freinds. In =
the first hour, there were lots of very weak signals in the pile that I =
could not begin to make out, then the band went long, or many gave up, =
or both. Also had fumble-fingers on the keyer for the first few minutes =
:-(. And I was disappointed that I got only one of you from east of the =
Mississippi river - I know more had to be trying. I think I'll change my =
start time for my next session to 0100z. After 0300 just seems too late =
for the band this time of the year from my QTH.

Thanks to all!

72/73,

Randy, KS4L

0200 W6WG 339 CA BOB 26

01 KI7MN 559 AZ BOB 271

03 K2VCO 559 CA VIC 725

05 AA0ZZ 569 MN CRAIG 1238

07 W5FN 559 TX TIM 586

08 K10J 559 TX OJ 732

09 W6ZH 559 CA PETE 257

10 N5ZTY 559 TX BILL 473

12 AB7TT 559 AZ JOE 5W

13 NQ7X 559 AZ FLOYD 343

14 KA5T 559 TX LARRY 89

16 N7VE 339 AZ BRIAN 5W
18 K6VNX 559 CA ARLEN 5W
19 K1MG 449 CA MIKE 614
20 AB7TK 449 ID RANDY 102
21 AC6LA 559 CA DAN 515
24 KU7Y 569 NV RON 17
25 AB7MY 559 AZ GARY 571
27 N7KT 559 AZ ROGER 62
28 W5SB 559 TX BILL 1279
31 W9UQB 449 AZ MIKE 413
33 N6XU 559 CA STAN 66
34 N0UR 599 MN JIM 799
36 VE5RC 119 SK BRUCE 886
39 AA5TA 559 TX LARRY 1245
41 NQ7K 449 AZ MIKE 47
44 N6VZ 559 CA GARY 919
45 N1TP 589 FL TOM 1317
46 W6BAB 579 CA HARVEY 5W
47 VE5WF 559 SK EARL 1076
52 K5VUU 339 TX ED 1343
55 K5ON 559 NM GARY 770
56 WE6W 449 CA ED 1068
0300 AK1P 569 CA PAUL 284
04 K0SU 559 CO RICK 539

07 N6GA 579 CA CAM 700

09 WA6NAE 559 CA DWIGHT 5W

11 KA7NOC 339 ID STEVE 909

14 W5HNS 569 TX HENRY 178

24 W0KW 599 CO PAUL 2W

32 W1HUE 449 ID LARRY 218

44 KI0II 539 CO RON 928

PS. Sorry it the formatting on this is screwy. I cut/pasted this from =
MS WordPad and my e-mail client (MS Outlook Express) refuses to preserve =
my tabs and line spacing. Never had this problem with MS Internet Mail =
;-(

-----=_NextPart_000_0045_01BD0106.F470B2E0

Content-Type: text/html;

charset="iso-8859-1"

Content-Transfer-Encoding: quoted-printable

<!DOCTYPE HTML PUBLIC "-//W3C//DTD W3 HTML//EN">

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<HEAD>

<META content=3Dtext/html; charset=3Diso-8859-1 =

http-equiv=3DContent-Type>

<META content=3D'"MSHTML 4.71.1712.3"' name=3DGENERATOR>

</HEAD>

<BODY bgColor=3D#ffffff>

<DIV><FONT face=3D"Times New =
Roman" size=3D2>

<P>Greetings!</P>

<P>Well, tonight could certainly have been better for Fox and freinds. =
In the=20

first hour, there were lots of very weak signals in the pile that I =
could not=20

begin to make out, then the band went long, or many gave up, or both. =
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disappointed that I got only one of you from east of the Mississippi =
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know more had to be trying. I think I'll change my start time for my =

next=20

session to 0100z. After 0300 just seems too late for the band this time =
of the=20

year from my QTH.</P>

<P>Thanks to all!</P>

<P>72/73,</P>

<P>Randy, KS4L</P>

<DIV><FONT face=3D"Times New Roman" =
size=3D2>

<P>0200 W6WG 339 CA BOB 26</P>

<P>01 KI7MN 559 AZ BOB 271</P>

<P>03 K2VCO 559 CA VIC 725</P>

<P>05 AA0ZZ 569 MN CRAIG 1238</P>

<P>07 W5FN 559 TX TIM 586</P>

<P>08 K10J 559 TX OJ 732</P>

<P>09 W6ZH 559 CA PETE 257</P>

<P>10 N5ZTY 559 TX BILL 473</P>

<P>12 AB7TT 559 AZ JOE 5W</P>

<P>13 NQ7X 559 AZ FLOYD 343</P>

<P>14 KA5T 559 TX LARRY 89</P>

<P>16 N7VE 339 AZ BRIAN 5W</P>

<P>18 K6VNX 559 CA ARLEN 5W</P>

<P>19 K1MG 449 CA MIKE 614</P>

<P>20 AB7TK 449 ID RANDY 102</P>

<P>21 AC6LA 559 CA DAN 515</P>

<P>24 KU7Y 569 NV RON 17</P>

<P>25 AB7MY 559 AZ GARY 571</P>

<P>27 N7KT 559 AZ ROGER 62</P>

<P>28 W5SB 559 TX BILL 1279</P>

<P>31 W9UQB 449 AZ MIKE 413</P>

<P>33 N6XU 559 CA STAN 66</P>

<P>34 N0UR 599 MN JIM 799</P>

<P>36 VE5RC 119 SK BRUCE 886</P>

<P>39 AA5TA 559 TX LARRY 1245</P>

<P>41 NQ7K 449 AZ MIKE 47</P>

<P>44 N6VZ 559 CA GARY 919</P>

<P>45 N1TP 589 FL TOM 1317</P>

<P>46 W6BAB 579 CA HARVEY 5W</P>

<P>47 VE5WF 559 SK EARL 1076</P>

<P>52 K5VUU 339 TX ED 1343</P>

<P>55 K5ON 559 NM GARY 770</P>

<P>56 WE6W 449 CA ED 1068</P>

<P>0300 AK1P 569 CA PAUL 284</P>

<P>04 K0SU 559 CO RICK 539</P>

<P>07 N6GA 579 CA CAM 700</P>

<P>09 WA6NAE 559 CA DWIGHT 5W</P>

<P>11 KA7NOC 339 ID STEVE 909</P>

<P>14 W5HNS 569 TX HENRY 178</P>

<P>24 W0KW 599 C0 PAUL 2W</P>
<P>32 W1HUE 449 ID LARRY 218</P>
<P>44 KI0II 539 C0 RON 928</P>
<P>PS. Sorry it the formatting on this is screwy. I =
cut/pasted this=20
from MS WordPad and my e-mail client (MS Outlook Express) refuses to =
preserve my=20
tabs and line spacing. Never had this problem with MS Internet =
Mail =20
;-(</P></DIV></DIV></BODY></HTML>

-----=_NextPart_000_0045_01BD0106.F470B2E0--

Date: Thu, 04 Dec 1997 20:47:33 PST
From: "Randy Jouett" <rjouett@hotmail.com>
To: qrp-1@Lehigh.EDU
Subject: [31969] Re: 38s sideband supression help!
Message-ID: <19971205044734.25213.qmail@hotmail.com>
Content-Type: text/plain

>From owner-qrp-1@lehigh.edu Thu Dec 4 15:56:27 1997
>Received: from Lehigh.EDU ([127.0.0.1]) by fidoi.cc.Lehigh.EDU with
SMTP id <35295-53532>; Thu, 4 Dec 1997 18:39:59 -0500
>Received: from nss4.cc.Lehigh.EDU ([128.180.1.13]) by
fidoi.cc.Lehigh.EDU with ESMTP id <34852-79902>; Thu, 4 Dec 1997
18:38:48 -0500
>Received: from mx01.together.net (mx01.together.net [204.97.120.61])
> by nss4.cc.Lehigh.EDU (8.8.8/8.8.5) with ESMTP id SAA148760
> for <qrp-1@Lehigh.EDU>; Thu, 4 Dec 1997 18:38:28 -0500
>Received: from sequoia.together.net (sequoia.together.net
[204.97.120.25])
> by mx01.together.net (8.8.8/8.8.5) with ESMTP id SAA25044
> for <qrp-1@Lehigh.EDU>; Thu, 4 Dec 1997 18:38:24 -0500
>Received: from ns1.together.net.together.net
(dial-88-TNT-BTVT-01.ramp.together.net [208.13.202.88])
> by sequoia.together.net (8.8.6/8.8.6) with SMTP id SAA04148
> for <qrp-1@Lehigh.EDU>; Thu, 4 Dec 1997 18:38:20 -0500 (EST)
>Message-Id: <199712042338.SAA04148@sequoia.together.net>
>Date: Thu, 4 Dec 1997 18:38:20 -0500 (EST)
>Reply-To: fflynn@together.net
>Sender: owner-qrp-1@Lehigh.EDU
>Precedence: bulk

>From: Fran Flynn <fflynn@together.net>
>To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
>Subject: Re: 38s sideband supression help!
>Mime-Version: 1.0
>Content-Type: text/plain; charset="us-ascii"
>X-Sender: fflynn@together.net
>X-Mailer: Windows Eudora Light Version 1.5.2
>X-Listprocessor-Version: 8.1 beta -- ListProcessor(tm) by CREN
>
>
>>Anyhow, at one end of the tuning I transmit on one side of zero beat(
>ie
>>the null) and at the other end of the tuning I am transmitting on the
>>other side of zero beat.
>>72
>>de Jerry AA10F
>
>
>
>Hi Jerry,
>
> it sounds like the receiver in this rig could be a
>direct-conversion type?
>
>Randy AB5NI
>
>It's not direct conversion, it's superhet, but the IF filter consists
of
>only one crystal (so, it's not too far from *behaving* like a DC
reciever).

Tnx for the info, Francis! I guess that the designer of the rig did this
by design. I guess it makes sense, when you think about it. Probably
trying to keep the kit price and rig size down for the NorCal folks and
still have a functional rig.

>So, it's not an extremely narrow filter. What you are
>hearing is just the fairly wide bandwidth of the IF filter since CW has
>essentially no sidebands. Before I get flamed, yes a code signal does
>have sidebands, but only during the rise and fall times of the
modulating
>signal (when you key it, it's modulation). If you just hold the key
down,
>you are sending a pure carrier (hopefully), with no sidebands. So,
you're
>not hearing sidebands, you are just hearing the beat signal when the IF
>signal of your reciever is tuned to a frequency near the BFO frequency.
>You will hear a tone whether you tune to one side or the other of the

>signal. If you had a narrower filter, e.g. more crystals, you might
>not hear that. In a simple rig like the 38s, this may be one of the
>compromises you have to make.

Well, with the prices of microprocessor xtals these days, it seems that
a 4-pole filter wouldn't be that big of a deal. Like we have both said,
"I guess that was part of the design spec." Keep is small and cheap
works for me :^).

Tnx for the great info, Francis!

Randy AB5NI
rjouett@hotmail.com

Get Your Private, Free Email at <http://www.hotmail.com>

Date: Thu, 4 Dec 1997 23:23:42 -0500
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>
To: QRP-L Discussion Group <QRP-L@Lehigh.edu>, "Doc W.D. Lindsey/K0EVZ"
<70511.3041@compuserve.com>
Subject: [31970] FOX--Sigh...
Message-ID: <199712042326_MC2-2AC6-4C6A@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: 7bit
Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline

Gang:

Well, gotta say all you hunters sounded great tonight--but I never did
hear the FOX Randy himself. Nuts. Of course the problem is likely
because I am at the airport in New Orleans = too close!

Brought along a Norcal 40a to the airport hotel, hoping by some stroke
of luck to snag Randy. Strung 66' of #20 stranded wire out the 7th
floor of the Airport Radisson. Angled it downward across the parking
lot. And work it did. QSOed KX3X, WB8AJR (remember him during the
FOXhunt?!), and N3COB. N3COB answered my CQ, gave me a 499 RST ;^).

But no FOX. Anyway, it was nevertheless great to listen in, and to hear
so many strong signals. Recognised many of you guys amidst the pile.
Congrats to all who snagged Randy.

72/73,

--Doc/K0EVZ qrp-1 861 norcal 2050 cqc 414 ARS 311 FISTS 3868 mn-qrp 19
nj-qrp 69 ak/qrp 139 AR QRP 73 ARCI 9398 ARRL WAS 48/40
DXCC 56/42 <>< FOX Total 12/05/97 15 of 19. Was the FOX 11/25/97.

Icom 751A Omni V Sierra Argo 515 Norcal 40a SW-40 49er
Mercury Paddles Emtech ZM-1 MFJ 259 MFJ 941D GAP TNT/2 Windom
SLV/W6MMA G5RV Autek QF-1 RS DSP-40

"Things should be as simple as possible, but no simpler"--A. Einstein
Then about an hour or so couldn't hear any sign of the hunt anymore.
Tuned around, no sign whatsoever.

Date: Fri, 05 Dec 97 05:07:54
From: "KA5T Larry Wise" <lewise@inetport.com>
To: "qrp" <qrp-1@Lehigh.EDU>
Subject: [31971] Foxi
Message-ID: <199712050508.XAA27782@admin.inetport.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Heard and worked KS4L ok....was loud here in Texas.....
Pack seemed to fade about 0220 or so at this location...

HOWEVER....

Spent two hours tuning for the N/T fox, Preston and never heard a
peep from him or the pack....
Prop from Tx to him must have been bad.....Band was quietest here
from about 7.131 to 7.146 ... 7.120 to 7.131 sounded like a buzz saw
from S8 to +20.... 7.100 to 7.119 wasn't too bad except for BC stns at
7.115 and 7.110....Heard several QSOs, but none with the fox...

Listened from 0000z to 0158z....Right time according to the note...
(Did I miss a change in time???)

Next time,... Next time.... :-)

Larry KA5T lewise@inetport.com Georgetown, Texas

Date: Thu, 04 Dec 1997 23:29:44 -0600
From: Glen Reid <k5hgb@flash.net>
To: Bill Howell <bhowell@mail.utexas.edu>, Brad Bradfield
<QLF@mimi@magic.itg.ti.com>, Brian Mileschosky <n5zgt@swcp.com>,
Chuck Adams <adams@chuck.dallas.sgi.com>, "Curtis C. Goodson"
<curt@inetport.com>, Ed Popp <k5bot@worldnet.att.net>,
Subject: [31972] December Meeting A QRP Club
Message-ID: <34879146.BA3B7F0D@flash.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

The next meeting of the Austin QRP Club (A QRP Club) will be:

Saturday
December 13, 1997
10 AM

MOTOROLA OAK HILL PLANT
6501 William Cannon Drive West
AUSTIN

(near the intersection of US 290 West and TX Hwy. 71.)

TOWN LAKE ROOM
Enter through the South Lobby, ask security guard for directions to
Town Lake Room.

Please RSVP so I can plan for the seasonal hospitality

For additional information contact:

GLEN REID, K5HGB
512 263 9767 or Email k5hgb@flash.net

--

See you there.

73

gr

--

GLEN REID
K5HGB/M(Zero)BGF
Austin, Texas
...in the beautiful hill country of TEXAS...

Austin QRP Club # Pi

Email: k5hgb@flash.net

Date: Thu, 4 Dec 1997 20:52:59 -0600
From: n5inz@juno.com (John M Andrews)
To: grudin@pacific.vdbs.com
Cc: qrp-1@lehigh.edu
Subject: [31973] Re: Grounding Question
Message-ID: <19971204.205453.3214.14.N5INZ@juno.com>

No...No flames.

Helped a new ham set up his station. Tried as hard as I could to convince him to provide lightning protection or at least unplug his antenna and power when not in use.

He had a new FT101EE that he paid \$700 for. I bought it a week later after a thunderstorm for \$25.00 because I was in a charitable mood.

Keep me in mind. I sometimes buy enclosures(if they don't smell too bad).
.....And you survive.

72, John- N5INZ

Date: Thu, 04 Dec 1997 22:25:43 -0800 (PST)
From: Charlie Lofgren <clofgren@BENSON.MCKENNA.EDU>
To: Paul Harden <pharden@aoc.nrao.edu>
Cc: CLOFGREN@BENSON.MCKENNA.EDU, Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [31974] Re: Regen ckt explained
Message-ID: <Pine.PMDF.3.95.971204220510.147647A-100000@BENSON.MCKENNA.EDU>
MIME-version: 1.0
Content-type: TEXT/PLAIN; charset=US-ASCII

On Thu, 4 Dec 1997, Paul Harden wrote:

> Trying to be the quasi-conscious type about using excessive bandwidth and
> all that ... I hesitate to post this due to the narrow range of interest.
> But I have about 2 dozen emails in the past two days from QRPers wanting to
> know how the regen circuit works, which is right up there with how to clean
> a circuit board with acetone or alcohol :-)
>
> So here goes and my apologies to those who feel it intrusive.
>

IMHO, it's not at all intrusive, and a whole more interesting than how to
clean circuit boards (which isn't to say that's not a useful endeavor,
too). It takes me back a few decades (not a bad thing!), but it also shows
how solid state technology several neat twists to old goodies.

I like Paul's contributions, on all fronts.

Charlie, w6jjz
clofgren@mckenna.edu

Date: Fri, 5 Dec 1997 00:26:26 -0600 (CST)
From: stevebar@ix.netcom.com
To: qrp-l@lehigh.edu
Cc: klqrp@acpub.duke.edu
Subject: [31975] Re: KL Net 11/30/97
Message-ID: <19971251259619169@ix.netcom.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

On 12/02/97 10:25:32 you wrote:

>
>*****
>The KnightLite QRP Net meets every Sunday at 9:30pm on 3.686.4mHz.
>It is a net open to all ops including qro stations. Bring a bit of
>news from your neck of the woods and have fun listening for some of
>your qrp friends from all over checking in on some LOW power! The
>"rag chew portion" of your check-in lets you give sig rpts to stations
>you've heard qni and an opportunity to share some happenings in your
>life. See you next week?
>*****

>Gang,
>I had a bad antenna feedline so I was limping along during the
>net hoping I'd run across one of the other NCS stations and pass
>it off on them, hi! I don't know if the condx were poor or if my
>antenna was all the trouble but we got through it anyway.
>
>QNS: K4PYM K4NK N3GO WA3IVB AB4PP N4EUK WJ4P(NCS)
>
>Thanks to all who qni'd and those who tried. Please come back and
>give it another try!
>

RANDY ET AL -

I only "heard" WA3IVB and occasionally N3GO - everybody was down in the mud - so
it was not just
your antenna - Even when my signal does not seem to get out well, I manage to hear
just about
everybody - - -

72 de Steve / N1SB

Date: Fri, 5 Dec 1997 00:31:00 -0600 (CST)
From: Adrian Weiss <aweiss@sunflowr.usd.edu>
To: QRP-L@fidoi.cc.lehigh.EDU
Subject: [31976] RE: CQ WW
Message-ID: <Pine.SOL.3.94.971205001859.8161D-100000@sunburst>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi gang:

I'm glad to see the postings about the CQ WW results. Some really
impressive DX work being done in the QRP community. Here, well...
only jumped in for about 2.5 hours on and off. Worked 6D2x on 40,
which isn't anything to brag about, except that I did it with this
Inverted-L of sorts! Only up 25 ft at one end, 35ft at the other, which is
not exactly disappearing in the clouds!

15 was really nice -- looks like we're on a definite upswing in the flux
and things will only get better from here on in.

Sad to say, I'm now experiencing what it is to operate with a "minimal"
antenna. With my verticals or quad (back in the good ol'days), I just

assumed that I'd eventually work what I could hear. But now, I'm losing that old confidence -- doubt creeps in with every call... Actually, I ought to replace my 4-year old foam twinlead which has been up there too long. Any rate, I only worked 14 on 15m. Nothing spectacular. Best was EA8ZS, got the KL7Y, KH7R (z.31) and ZD8Z plus some other Carribean stuff, and TM2Y (z.14). At least the line-noise was absent.

Trouble with DX contests (unless you work 400 like some guys) is that the "rush" is so momentary -- 7 seconds and it's over at those speeds. Then look for the next one and start calling..

But hey, DX is DX, especially in a contest. Just working any DX thru the KW-curtain is an accomplishment!

73 Ade W0RSP

Date: Fri, 05 Dec 1997 06:33:47 GMT
From: n4js@pobox.com (John Sielke)
To: qrp-l@Lehigh.EDU
Cc: bensondj@aol.com
Subject: [31977] Holday Special-GM10??
Message-ID: <34879fa2.10841173@mail.cyberenet.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: quoted-printable

OK, I must have missed something. I read a post a few minutes ago about a Christmas special on the GM-10, for \$65.00. I went and checked the Small Wonder Labs page, and I didn't see anything there.

Was this a mistake, or is it just for qrp-l, or did I have another "senior moment" and misunderstand the whole thing?

=20
//_/_/ John L. Sielke n4js@pobox.com n4js@qsl.net
(N)(4)(J)(S) NJ Grid:FM29LN <http://www.qsl.net/n4js>
//_/_/ NJ-QRP #57 QRP-L #884 QRP-ARCI ARQrp #86
G-QRP #9544 NorCal #1989 CQC AKQRP QCWA FISTS #2781

Date: Fri, 05 Dec 1997 06:37:36 GMT
From: n4js@pobox.com (John Sielke)

To: qrp-1@Lehigh.EDU
Subject: [31978] Foxy thoughts
Message-ID: <3489a0bc.11123239@mail.cyberenet.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: quoted-printable

Gald to see Randy talking about starting early next time. After about 0100Z it is tough...

Maybe the East Coast foxes should run around, say 2100Z ????

(Oh boy, now it's gonna start!)

=20
/_ \ /_ \ /_ \ /_ \ John L. Sielke n4js@pobox.com n4js@qsl.net
(N)(4)(J)(S) NJ Grid:FM29LN <http://www.qsl.net/n4js>
_ / _ / _ / _ / NJ-QRP #57 QRP-L #884 QRP-ARCI ARQrp #86
G-QRP #9544 NorCal #1989 CQC AKQRP QCWA FISTS #2781

Date: Thu, 4 Dec 1997 21:55:05 -0900 (AST)
From: Bruce Hopkins - KL7JAF <kl7jaf@polarnet.com>
To: qrp-1@Lehigh.edu
Subject: [31979] PIXIE 2 Kits...
Message-ID: <v03007800b0accc406f3b@[204.119.24.126]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi Gang...

For those that have been chomping at the bit to get a Pixie 2 kit, I just talked to HSC Electronics and they had just received 50 kits and were awaiting documentation before shipping them out... At the time of my call (12/2/97) they said about half the kits were already spoken for... I ordered two and also ordered some 3.5759mhz crystals at about .85 a piece... Their order number for those that can't wait for the surface mount version or prefer to work with full size components is: 1-800-442-5833

I'am looking forward to the surface mount version of the Pixie 2 and wonder if anyone has an update on when to expect them out ??? Be the first kid on the block to have a dedicated Pixie 2 on each band from 80 to 10m... Put them all in one tin, use diode switching, one keyer and a DDS DC to Light vfo... Boy the nights are long up here in the Frozen North !!!

72 / 73 / oo's - Bruce - KL7JAF

Web Page: <http://www2.polarnet.com/~bhopskins>

"Alaska QRP Club" - Web Page: <http://www2.polarnet.com/~bhopskins/akqrp>

Date: Fri, 5 Dec 1997 00:31:45 +0000
From: Leon Heller <leon@lfheller.demon.co.uk>
To: slee@u.washington.edu
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.edu>
Subject: [31980] Re: Market survey, DDS VFO
Message-ID: <\$Rc7SGAxt0h0EwGV@lfheller.demon.co.uk>
MIME-Version: 1.0

In message <Pine.A41.3.95b.971204140941.265480-1000000@homer03.u.washingt
on.edu>, "S. Lee" <slee@u.washington.edu> writes
>Ugh, we'll get it right yet....it's an AD9850BRS which is an SSOP
>packaged device. SSOP stands for Shrink Small Outline Package. Not
>what I have in mind when it comes to breadboarding. Try using Analog
>Devices' AD7008JP50 in 44-pin PLCC package. A much simpler conversion
>to breadboard...just press the chip into one of Technological Arts'
>adapters then plug that into the breadboard; the kind one uses with
>dual inline package (DIP) devices. No special tools required.
>Sorry for any confusion I may have caused. Enjoy!

I've designed a little SSOP adapter PCB for the 9850 that brings the
pins out to staggered pads on .05" centres. I should have some
prototypes in a few days, if anyone is interested. I'll be able to
supply 9850s mounted on the adapter.

Leon

--

Leon Heller: leon@lfheller.demon.co.uk <http://www.lfheller.demon.co.uk>
Amateur Radio Callsign G1HSM Tel: +44 (0) 118 947 1424
See <http://www.lfheller.demon.co.uk/rcm.htm> for details of a
low-cost reconfigurable computing module using the XC6216 FPGA

Date: Thu, 4 Dec 1997 23:03:25 -0800
From: rheiss@sprynet.com (Rob Heiss)

To: qrp-1@lehigh.edu
Subject: [31981] 2N2222 Tinkering -- VXO and AM Detector
Message-ID: <199712050703.XAA08703@m5.sprynet.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Setting aside the possibility of a complete 2n2222 transceiver, I took a closer look at a couple modules that I wanted to learn more about and actually built them up on a solderless breadboard. The first was a VXO which could substitute for the VFO in a NE4040 or similar rig. The 38 Special circuit in QQ shows how this could be done with a tuning diode and computer crystals, and thanks to N6KR we know this is also possible on 20m and 40m bands. The second bit was a single-transistor detector which could substitute for a crystal radio -- not QRP but rather AM broadcast, you know, the ultra-simple beginner's radio.

VXO

If we can accept a restricted tuning range (i.e. not all of 6.9 to 7.2) a variable crystal oscillator could give better temperature stability than an LC VFO, which is important for outdoor portable operation. My shack isn't air-conditioned so stability is useful indoors as well. I searched parts catalogs for standard computer crystals which mix to 7040 or 14060 kHz, and ordered some from Mouser. They aren't exactly on the desired calling frequencies so it's necessary to pull an oscillator far off frequency. How to do that was the question. Articles from W1VT, W1FB and others showed that the choice of tuning capacitor is critical and that some use carefully-chosen inductors. Cam N6GA reported tuning diode and choke combinations which work very well on 20m so I tinkered on 40m.

Subtracting a 4 MHz IF frequency from an 11.040 MHz local oscillator will give 7.040 MHz for QRP. I built a Colpitts with PN2222 and a 11.046 crystal with the goal of pulling to 11.040 and tuning the foxhunt range. The only tuning diode tried so far was an ECG614 which a local parts shop sold me to substitute for the common MV209 type. Tuning voltage up to 6.8 Volts from a Zener diode regulator.

After tinkering, one of the better results was with two crystals in parallel (super VXO circuit) and two 4.7uH chokes in series, giving 7034 to 7042 tuning range. (The breadboard has more stray capacitance than a soldered circuit which may limit the upper tuning range.) Widest tuning range was with a single 10uH radial choke, 7025 to 7037. This result implies that 11.059 crystals could be pulled down to 11.040 and give better tuning range than 11.046 crystals, but I haven't tried that yet.

Detector

The three-transistor "differential cascode" circuit looked like a good choice for a QRP receiver's mixer and product detector stages. After my paper design grew to twelve transistors for the receiver alone, I considered using a single-transistor circuit for those jobs, and accepting reduced performance. Consumer electronics (AM/FM/television) often uses single-transistor mixers and I found detailed examples in the 1978 National Semiconductor Discrete Databook. A superhet can be done with six or possibly fewer transistors, considering that IF and audio amplifier stages are optional. I wondered if a product detector could produce enough audio for headphones without any further gain.

Then I got sidetracked on a sentimental path, recreating something I built even before first getting a ham radio license. My first working radio was a galena crystal kit (with NO gain) but it was too faint and broad-tuning. My crude attempt to build an 80m tube regen never worked. My second working receiver was a single-transistor detector from Popular Electronics article around 1972. Less than a regen, more than a crystal. More gain anyway. By tapping the detector way down on the tuning coil, one could trade some gain to get sharp tuning, and there was still enough gain leftover (20 to 30 dB) to hear stations much further away.

So last night I was listening for DX on the medium-wave broadcast band with a tuning capacitor, some molded chokes instead of a tapped coil, blocking capacitor, bias resistor, PN2222, bypass capacitor, audio transformer, battery, stereo phones, and Pepsi. Antenna just 20 feet of wire, plus counterpoise. Pulled in San Francisco, Fresno, Paso Robles, Los Angeles, and San Diego California. It worked great like old times!

To keep from going completely around the bend with sentimental notions, a modern superhet was turned on for comparison. The "DX" was 20 to 30 over S9 on the meter. The superhet had smoother sound with less fading. It picked up other stations between the loud ones. What we really want! So now I'm stoked to work some more on a homebrew superhet. Congrats to Steve KD1JV and everyone who already has one working!

73, Rob K06KA rheiss@sprynet.com

Date: Thu, 04 Dec 1997 23:02:00 -0800
From: Monte Stark <ku7y@sage.dri.edu>
To: AlK0FRP@aol.com

Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [31982] Re: 160 m contest
Message-ID: <3487A6E8.646D@sage.dri.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi Al,

I hope to get the tower loaded and working in time for that. I'll be on the lookout for you, cul,l

--

73, Ron, KU7Y

NRA Life-----Ex W6JX0, DL4RF, N7CRV-----SOWP #5545-M
QRP QRCI #8829-----NorCal #330-----QRP-L #17-----ARS #49
AR QRP #150-----DM09cg-----New Washoe City, NV

Date: Fri, 05 Dec 1997 09:17:06 +0000
From: Jack Bennett <J.Bennett@lboro.ac.uk>
To: qrp-l@lehigh.edu
Subject: [31983] Publications
Message-ID: <1.5.4.16.19971205091706.2ecf4422@hpcin.lboro.ac.uk>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi Guys,

I would like to order with a Visa credit card the following, as they are currently unavailable in the UK and sending Money Drafts to US is very expensive.

- 1) The Joys of QRP
- 2) Low Band Dxing

Does anyone on the list know of a source in the US or a method of achieving this? Phone numbers of any suppliers would be very much appreciated. Many thanks for your assistance.

Jack G3PVG
GQRP 4725

Date: Fri, 05 Dec 1997 08:11:34 -0400
From: Dave Marling <dbm@klis.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [31984] Re: DIPOLE IS WORKING
Message-ID: <3487EF76.AAECF673@klis.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Monte Stark wrote:

>
> Hi All,
>
> One thing you can do to get some respect for static is this;
>
> Disconnect your antenna and put your feed line (s) in a coffee
> can. Then just listen to them snap and pop! In the dark you can
> see some good arcs.

I have had this happen (minus the coffee can!) across a disconnected
PL-259 on RG-58 from a dipole. The cause in my case was static build-up
from falling snow. The arc would occur about every 10 seconds.

73
Dave
VE1VQ

--
Understand the problem before you attempt the solution.

Date: Mon, 01 Dec 1997 02:36:17 -0500
From: Henry Freedenberg <henryf@quartz.gly.fsu.edu>
To: tmccuen@compuserve.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.edu>
Subject: [31985] Re: SGC 2020
Message-ID: <348268F1.6838@quartz.gly.fsu.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

TJM wrote:

>
> "No Compromise Communications"

> -----

> Well, When I ordered the 2020 back in July I asked if the mike was
> included.... was told it was.

I wonder what break even would be on a production run for a rig like
this? 1000 units?
10000 units? Wonder what the direct cost of building the unit is and
how much overhead SGC must support with it?

My point is that they are a small manufacturer. I can't imagine them
making very much money....with or without the microphone. The web page
description does look good though.

Date: Fri, 5 Dec 97 08:41:30 -0500
From: cjl@mail09.mitre.org (Charles J. Ludinsky)
To: qrp-1@Lehigh.EDU (qrp-1@Lehigh.EDU)
Subject: [31986] Re: K8FF Paddle NOTE!
Message-ID: <971205084129.1044@mail09.mitre.org.0>

Mike, K1MG, wrote:

> I haven't taken all the vertical play out of the bearings either. In
> factory stock condition, the vertical play is about the same as my
> Envirotronic paddles, but much more than the Schurr.

Just out of curiosity, why does one want to take all (or even most) of the
vertical play out of the bearings. If I remember correctly, many relays were
made with an intentional lateral contact movement to "wipe" the contacts each
time they closed. The idea was to encourage removal of oxidation products,
dust, etc., that might accumulate on the contacts. A small vertical movement
(expressed at the contacts) might actually be beneficial. (??)

72 DE K1CL
Chuck.

Date: Fri, 5 Dec 1997 08:08:32 -0600
From: "John W. Stevens" <stevensj@sound.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.edu>
Subject: [31987] RE: Palmtop Computers
Message-ID: <01BD0157.0E1CE880@ts001d18.bat-la.concentric.net>

MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: quoted-printable

Hi All,

Take a look around your Office Depot stores for the COMPAQ C-140 or =
C-120+ Palmtop computers. These are Windows CE machines identical to =
the Casio A-11 on sale for \$99 and \$140 respectively. Supplies were =
VERY short. Hope you get lucky. These are excellent buys! The C-120+ =
has a 14.4K PCMCIA modem with it. I sure like mine...

72 John W. Stevens K5JS

Date: Fri, 5 Dec 1997 09:33:22 EST
From: ARDUJENSKI <ARDUJENSKI@aol.com>
To: qrp-1@Lehigh.EDU
Subject: [31988] NOVICE 40 OPEN LATE
Message-ID: <3cbbc3ba.348810b4@aol.com>
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

FYI: NOVICE 40 was open late last nite 0400-0800 UTC. NY and AL sounded like
next door. SD...well I think I worked the only two hams there last nite. Sent
until the fist just wouldn't go any more. Must be that cold wx
Alan KB7MBI

Date: Fri, 5 Dec 1997 08:04:40 -0700
From: torell@sicom.com (Kent Torell)
To: qrp-1@Lehigh.edu
Subject: [31989] Christmas Propagation
Message-ID: <v02130503b0adc7b96756@[192.91.202.41]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Looks like Santa will be back on his 28 day cycle... the nice propagation
from solar activity we had over Thanksgiving is forcast to return for the
Christmas holidays. And, these forecasts are conservative, so it just might
be even better than it was... :-)

:Product: 27-day Outlook outlook.txt

:Issued: 1997 Dec 03 2211 UT

Prepared by the U.S. Dept. of Commerce, NOAA, Space Environment Center

For a descriptive text, write to SEC or refer to our Web page.

Web page URL: <http://www.sec.noaa.gov/wwire.html>

#

Twenty-seven Day Space Weather Outlook Table

Issued 1997 Dec 02

#

#	UT	Radio Flux	Planetary	Largest
#	Date	10.7 cm	A Index	Kp Index
1997	Dec 03	115	5	2
1997	Dec 04	113	5	2
1997	Dec 05	111	5	2
1997	Dec 06	109	5	2
1997	Dec 07	107	5	2
1997	Dec 08	105	5	2
1997	Dec 09	100	5	2
1997	Dec 10	95	5	2
1997	Dec 11	93	8	3
1997	Dec 12	93	8	3
1997	Dec 13	93	8	3
1997	Dec 14	93	5	2
1997	Dec 15	93	5	2
1997	Dec 16	95	5	2
1997	Dec 17	95	5	2
1997	Dec 18	95	8	3
1997	Dec 19	93	10	3
1997	Dec 20	93	10	3
1997	Dec 21	93	8	3
1997	Dec 22	97	5	2
1997	Dec 23	103	5	2
1997	Dec 24	105	5	2
1997	Dec 25	107	5	2
1997	Dec 26	109	5	2
1997	Dec 27	111	5	2
1997	Dec 28	113	5	2
1997	Dec 29	115	5	2

Kent Torell torell@sicom.com 602-607-4852

SICOM 7585 E. Redfield, #202 Scottsdale, AZ 85260

AB70A scQRPion 6,qrp-1 57,ARCI 9075 DM33xn 33.55 N 112.078 W

Date: Fri, 5 Dec 1997 07:58:34 -0700
From: torell@sicom.com (Kent Torell)
To: MNHopkins@aol.com
Cc: qrp-1@Lehigh.EDU
Subject: [31990] Re: DeMaw Univ. TX QSY to 30M?
Message-ID: <v02130502b0adc2091113@[192.91.202.41]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

>A local wants to build up a Universal TX from Solid State Design for the Radio
>Amateur, but our edition, the \$7 one, has circuit constants only for the pre-
>WARC bands.

>

>Can any one cite the upgrade for 30M or share any experiences thereof ?

Haven't seen a response, so I'll venture an answer. The universal qrp transmitter is a little 2 transistor xtal design. Most of the cap/inductor values can be scaled in frequency.

L1 and C1 make the resonant circuit. L1 should be around 4.5 uH, and C1 will resonate around 56 pf, so pick a 100 pf variable. You should get it to peak in response in two positions. There are a few combinations for torroid windings.

28 turns on a T50-2 or 33 turns on T50-6. The L2 winding is 1/9 the primary turns, or 3 turns.

Try 47 pf for the C2 bypass (C5 isn't used). C3 and C4 in the output filter should be 330 pf. L3 is 800 nH; 12 turns on a T50-2 or 14 turns on a T50-6.

R1 should be 47 ohms, and the RFC of 15 uH is fine.

This is a pretty robust circuit; the values given should work fine. They could be optimized after you get it built up; you could vary values between the 40m and 20m values shown in table 1 of the book. Be careful messing with the output filter without being able to check the spur levels, though! :-) You only have a 3 pole filter there, so they won't be down too far.

Good luck, and keep us posted here on the list.

Kent Torell torell@sicom.com 602-607-4852
SICOM 7585 E. Redfield, #202 Scottsdale, AZ 85260
AB70A scQRPion 6,qrp-1 57,ARCI 9075 DM33xn 33.55 N 112.078 W

Date: Fri, 5 Dec 1997 07:46:58 -0800 (PST)
From: Stanley Wilson <microres@crl.com>
To: pharden@aoc.nrao.edu
Cc: qrp-1@Lehigh.EDU
Subject: [31991] Regenerative "RECEIVER"
Message-ID: <Pine.SUN.3.91.971205073831.5138A-100000@crl6.crl.com>
Mime-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi Paul,

I expect the hang up with the circuit is the word RECEIVER. While many I expect are thinking of it as a DETECTOR.

Would it be better to say a Regenerative receiver based on using a Q-multiplier for selectivity. If you connect the D1 diode to the emitter then wouldn't the circuit be a Regenerative RF amplifier stage?

I am having trouble breaking the circuit down into block diagrams and getting a regenerative detector.

73, de stan ak0b

Date: Fri, 5 Dec 1997 08:44:04 -0700
From: "Ron Smith" <resmith@primenet.com>
To: <kl7jaf@polarnet.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.edu>
Subject: [31992] Re: PIXIE 2 Kits...
Message-ID: <01bd0194\$9dc59080\$5d22a5ce@primenet.com.primenet.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Gang, there is always a down side...

In the past month I have sent a total of FOUR e-mails to TWO different HSC Electronics stores via the e-mail address on their respective Web pages. To date, I have had NO response to any of my messages. IMHO, any business that has a Web site and doesn't bother to reply to e-mail sent to the e-mail address they provide doesn't deserve any more of my time or money. What a shame, the information I am reading indicates they have just what I'm looking for -- but, no service, no buying.

Ron Smith

Amateur Radio Callsign: KD7VD
Southwest Idaho
E-mail: resmith@primenet.com
QRP-L #1291

-----Original Message-----

From: Bruce Hopkins - KL7JAF <kl7jaf@polarnet.com>
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Date: Thursday, December 04, 1997 11:58 PM
Subject: PIXIE 2 Kits...

>Hi Gang...

>

> For those that have been chomping at the bit to get a Pixie 2 kit, I
>just talked to HSC Electronics and they had just received 50 kits and were
>awaiting documentation before shipping them out... At the time of my call
>(12/2/97) they said about half the kits were already spoken for... I
>ordered two and also ordered some 3.5759mhz crystals at about .85 a
>piece... Their order number for those that can't wait for the surface mount
>version or prefer to work with full size components is: 1-800-442-5833

>

> I'am looking forward to the surface mount version of the Pixie 2 and
>wonder if anyone has an update on when to expect them out ??? Be the first
>kid on the block to have a dedicated Pixie 2 on each band from 80 to 10m...
>Put them all in one tin, use diode switching, one keyer and a DDS DC to
>Light vfo... Boy the nights are long up here in the Frozen North !!!

>

>

>72 / 73 / oo's - Bruce - KL7JAF

>

>Web Page: <http://www2.polarnet.com/~bhoppers>

>

>"Alaska QRP Club" - Web Page: <http://www2.polarnet.com/~bhoppers/akqrp>

>

>

>

>

>

Date: Fri, 05 Dec 1997 16:12:19 +0000

From: Ed Loranger <we6w@qsl.net>
To: ku7y@sage.dri.edu
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.edu>
Subject: [31993] Re: Hunters?
Message-ID: <348827E3.7E35@qsl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hey Ron! I heard the qso you had with Preston. I was dead-on freq and tried real hard to tail-end. Boy, you must've had that beam zeroed in! With front-to-Back I could barely hear you over Preston. Geographically you're just down the street from me.

Preston/N0GLM was doing a great job. And he must've done something with his antenna to get all the way here to the West Coast.

Wish I had bagged him....
-Ed, WE6W

Monte Stark wrote:

>
> Hi Tim,
>
> I had a good night tonight.
>
> Got both fox's! :-)
>
> Preston was doing a great job with my weak signal. Some QRM also but he
> just got the job done!
>
> Randy was booming in here!
>
> Both did good!
> --
> 73, Ron, KU7Y
>
> NRA Life-----Ex W6JX0, DL4RF, N7CRV-----SOWP #5545-M
> QRP QRCI #8829-----NorCal #330-----QRP-L #17-----ARS #49
> AR QRP #150-----DM09cg-----New Washoe City, NV

--

72/73 de we6w qrp es cw ONLY (From non-ham to extra in one day!)
HW-8,0HR-100, Pixie2, Johnson Viking II, Drake TR-3
QRP-L#1068,ARCI#9397,Norcal#2227,ARS#275,AR#112 grid CM88ok
mailto:we6w@qsl.net <http://www.qsl.net/we6w>

Date: Fri, 5 Dec 1997 11:13:03 -0500 (EST)
From: David Snowdon <norway@interlog.com>
To: qrp-1@Lehigh.EDU
Subject: [31994] Another use for Altoids!
Message-ID: <Pine.BSI.3.95.971205111024.1521A-100000@shell1.interlog.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I know that the encrypted message below has nothing to do with ham radio, but since it does involve those "curiously strong mints" I thought it might give most of you a chuckle. To protect the innocent, you have to answer the following skill testing question:

The gain of an antenna, especially on VHF frequencies and above, is quoted in dBi. What does the "i" in this expression stand for?

(Use "pkunzip -s altoid.zip" and enter the password (UPPER CASE) at the prompt.)

Now you know why the checkout teller gave you an extra look when you bought that case of Altoids!

table

```
!"#$%&'()*+,-./0123456789:;<=>?  
@ABCDEFGHIJKLMNPOQRSTUVWXYZ[\]^_  
begin 644 ALTOID.ZIP  
M4$!#!!0 P ( /Q.A2. 0>T8+@8 !T, * 04Q43TE$+EA86)=ILLJ)z  
M8470^I9#N(L?MJ<,BG;HW ![[X02$.J\' "NU:>/<$";6G_6,/C<AA-T[4F,Jy  
M:>)S>S&:1T1',G_[1*W:4_\' (.L@@$^D1(XF!%!+FY<L+'F^9Y_HR9$V$:QZx  
M\WIB>^YNJYK\I>,CSVY&\%,2RE>Q!P60 CM\H)_?M<OH['C#NEP17\ :E>&^w  
M:,<?LW'WV[?9@&'H0%[_I0=BW1FSM$>-GHC4()#AHE.O:C/H"C0CG/C\I[JUQv  
M3.SSGG0R.5P6_.Y0)7Q0S0)JD%-#($S3YQ\H(CA2TH^!J2B3""H[(<)0?)VTTu  
M]!NF0'09AF^<^?&1TEPVY_\#/,NH/7E <-^3^=YU#&$+W&)&$TS_M9[!3 W+t  
MM)Y134$N2QM&2S7#:#3 N 01QL-][[\\ASAW"FP,9*HI)X*7#] IN>3])+ "1Rs  
MH67R ONM FK4P)E9[+&K2<!^]E.W%L3$J@&S.N?TIN1TW5QZKE\ :PNC-TVA2r  
MK4/'V->@P98,C(:P6&MGHW04YAD&0LLD6_#YW#F,3N*_DRQP7[*$*:61M4'q  
M@1X,5"OA'84$+>2.8\K.5FNEZ*7:'_>C2]B$2:IX^NQR$HC\VK,#=7+P2>M@p  
MG# 5.N"A?H,8?_16X!@9M3#:#L4-:QOX/N]FQ0A$:BQ>@]$U^JYW'U]MM"YYGo  
M<0833!38ARN8BP\I"D0%1<@%<2?4FJOG5Q5$:N.A>@L5K7 2ZG*'2D M4$Zn  
M(<*7_4P\YCEK26D> VL%_)#!\,"2RX+_2P!LOCX0@=0#'^CUA\GN@ZD UA"m  
MQY(A0+<4:[U&$><+MT@8[Q]UIL6G]$#:_Q":PA[G@_"%38YW?R;&E-HT 7VF1  
M#8L@ \I[G&@YBG[P9,OX0=Q<P*$EA\5>7+>$1V'M)W<I),6FW#I9E)99Q%J:Pk
```

M=.C!9"09<]"5=5&+\>@3)V\$WL?RDR#9/5Q)6&"0-LE"YO[%BW(B&A';U._[Ij
M; ?I\$[_HV KTK-04\$<*-Z^?KD]Q\$U<=^ &PG< E!I'Y"INLE/@-3'" >J;@\i
M&^>P6"KPE*\$1'I'!%PC2SK2NE?T"HWZOS:I C,R]0^21P!05VY90]@&*=JI4h
M[57@+V\$%1N&9@*Q?;P[F1I0*<3)VI8E@&X!R[M J@ANW0_Z-4\$905TJ+0??Ag
MU?1>13"#';;ROHAVSE,NZ,042QRL0566:K/K22K&[!"L#4. ^/QH<L-F\RJ&f
MMT>D:"W *74@VH=6'8M30Z4\23Y6D#[&_[6-3X4"#SDJ>@%L ZQE;T-^?7"We
M.,7./Q3GKMT6_;L.6N%X%ZP"-!"R9Z*W??=HD*D"BS^K+DVQH W4QY]\$,U)2d
ML#L;J?P*L?OD>F]3H!U(NQ+UK,T;+^[.2GB!/58'E 'F2@)KU%G',,R42+&c
MGR1U0B([D1RJ9P-*X67_%40HMB(^H_\$<'C&@2PK&U+5?DD1FD3!C[5XS31FTb
M&Y.KV6"D(#8^<3;C30['DXMS";5%"JQ^/EL4J9[@_]%. .V"M,1<&.&U4'I)Fa
M]0,'150Q0BQ8S!9U"30,+(/)T),A24:C*>^>OC3@_ZS:=.,!GGTP \2_&-!z
MAYM:RJ"8&*"RLGK:: (P[I%*2[M2(\$!RGW8WK7%6]3C_*"=S&29.6R?4"4LF@y
MUBMXTC5M&3>ZFC54+RY2X'<>[X9&AA =G#(8(ZHE]GYCD&-@FW^EU>DNMN<Cx
M,O.#YA'#;&5F,:+:[\$E3(J1,J'9)IS@_1@M\ (LE&T&>V7/U\$2I!17B.=(A%w
M;:4HN'SLP \$B' WBW>\$.L56!':-MBX^B!%UHW\;) \$^+7/G&BVB;Q<GI8>Q0#v
M+Q\$6E_LD58"T)L.?S%)KIE%CSLH!SL=J():*2@ZND BRW;A@=_NJ*D3S((4)*u
MTTNVB:(#"_OJ N[#*MV+B\$%VZUW#]87]\$W5RTJ#5++TW6P,<AR(' (1/(\$J#t
MWSZ^PHH=BLW"\$ /OH]P=KZHTTE)SKPQ(EE.2' '=P7I6]R:?N.\$UY& 1;<Q&8Xs
MC16YSIWP#0B\$8G<00M2?;-18&H<>;NYX' [.Z:5E!^QZ()U30PV9,Z'='L# Nr
M]:Z0<!_&&-2]&T\$8%\N0DSA EWJ,XIUQV:=Y3CIHO\BDJK-"N2"CR6_"A-SI&q
MOZ]02P\$"&@44 , " #\3H4C@\$'M&"X& =# "@ " p
C 04Q43TE\$+EA86%!.!08 0 ! #@ !6!@ o
n
end

norway@interlog.com David Snowden (VA3DKS) Toronto, Ontario, CANADA

Date: Fri, 05 Dec 1997 16:12:03 -0800
From: "Harvey D. D. Hetland" <n6mm@earthlink.net>
To: qrp-l@Lehigh.EDU
Subject: [31995] Re: PIXIE 2 Kits...
Message-ID: <34889853.6BD4@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Regarding HSC, I telephoned them about one month ago and they were out of stock on the Pixie kits. I put two of them on backorder (which made their minimum order), but I have not received them as of the current date.

73, Harvey, N6MM.

Date: Fri, 5 Dec 1997 11:41:31 est
From: k4wz@juno.com (RON L TODD)
To: KS4TX@juno.com, N4QCP@juno.com, KE4KXQ@juno.com, KE4QMB@juno.com,
KS4CG@juno.com, FLEW45@EARTHLINK.NET, DCMORRIS@BELLSOUTH.NET, KE4ODE@juno.com,
N5BI@juno.com, pappyg@alltel.net, KE4QMA@juno.com, KD4KZF@juno.com,
AK4I@juno.com, KE4UTU@juno.com, TimFly50@aol.com, KE4LUZ@juno.com, N4MNA@juno.com,
Subject: [31996] FOR SALE OR TRADE
Message-ID: <19971205.114132.15191.28.K4WZ@juno.com>

Will concider Trade

INDEX LAB QRP+ TRANSCIEVER AND COMPANION / TUNNER,BATTERY
COST \$700 + \$200 BOTH FOR.....\$550.00 OR
TRADE

RADIO SHACK DIGITAL SWR / POWER METER.....\$50.00

KANGA ONER SWR BRIDGE..UNBUILT.....
KANGA THE FOX MINI TRANSCIEVER.....

SWAN SWR-1A SWR / POWER METER.....\$5.00
MFJ VERSA TUNER II 949-E.....\$75.00

LOOKING FOR A STATION MONITOR THAT WILL WORK WITH FT-1000
RON K4WZ, MIKE AF4FF, MATT AF4FE, BETH KU4JG
FISTS # 2109, #3534 #3533
PO BOX 885, FOREST PARK, GA. 30298
K4WZ, EX WA4EPC, KE4RZR, AE4LQ
QUIT YOUR YAPPING, JUST START TAPPING !

Date: Fri, 05 Dec 1997 11:39:25 EST
From: n4so@juno.com (charles k brown)
To: qrp-1@Lehigh.EDU
Subject: [31997] 10 M kit radios
Message-ID: <19971205.163827.6935.2.n4so@juno.com>

There are at least 3 kit radios for 10 Meters.
Norcal Sierra (band module for 10 M).
Kanga kits from KK7B design.

Dave Benson GM-series.

More info in saved text file 10Mrigs.txt
on this computer at home.
Just ask for 10Mrigs.txt and do not repeat text of message.

Ken Brown, N4SO
QTH nr Mobile, AL/ EM50tk
qrp-1 #622
n4so@juno.com

Date: Fri, 5 Dec 1997 11:05:06 -0600
From: Tim Ahrens <tahrens@inetport.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.edu>, henryf@quartz.gly.fsu.edu
Subject: [31998] Re: SGC 2020
Message-ID: <199712051704.LAA19115@admin.inetport.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: quoted-printable

Hi Henry - I haven't really seen much of the box, other than what the pictures show.. I guess if they did the design right that their assembly costs should be low. In my experience, you can really get eaten up by those!!(been there...) Also, their tune up & testing can also be a=20 big deal.. I remember many years ago I was in Phoenix & went to visit the Signal One guys. Don (I think that was his name), was aligning each and every pcb by hand that went into the CX11. They were a small outfit, and the price was high.. maybe they had enough profit to be able to do that.

Anyhow, SGC has the name, and I guess the reputation to make good HF stuff (I haven't heard otherwise), so I would expect the rig (with or without the mic) to be of pretty good quality.=20 They have been on the scene for a while, so it looks like they will be in it for the long haul,

Just rambling!

cu

Tim W5FN

ps: I'd bet that their product cost (including assembly, testing, boxing, etc) is between 2 & 300 bucks.

Date: Fri, 5 Dec 1997 11:05:10 -0600
From: Tim Ahrens <tahrens@inetport.com>
To: wr.moore@worldnet.att.net
Cc: qrp-1@lehigh.edu
Subject: [31999] Re:FOX log for Thursday (12/5 UTC)
Message-ID: <199712051704.LAA19120@admin.inetport.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: quoted-printable

Hi Randy - you came up to about 579 for the=20 last hour! I switched from my phased verticals to the n-s dipole, and couldn't even hear you. Really strange prop!

thanks again

Tim W5FN=

Date: Fri, 05 Dec 1997 09:07:33 -0800
From: Charlie Panek <charlier@lsid.hp.com>
To: qrp-1@Lehigh.edu
Subject: [32000] Re: 38s sideband supression help!
Message-ID: <348834D5.5B9A@lsid.hp.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

> >Anyhow, at one end of the tuning I transmit on one side of zero beat(
> ie
> >the null) and at the other end of the tuning I am transmitting on the
> >other side of zero beat.
> >72

> >de Jerry AA10F
>
> Hi Jerry,
>
> it sounds like the receiver in this rig could be a
> direct-conversion type?
>
> Randy AB5NI
>
> It's not direct conversion, it's superhet, but the IF filter consists of
> only one crystal (so, it's not too far from *behaving* like a DC reciever).
> So, it's not an extremely narrow filter. What you are
> hearing is just the fairly wide bandwidth of the IF filter since CW has
> essentially no sidebands. ...

Furthermore, in order to properly zero beat your transmitter to the station you're listening to, you need to tune to the response that is lower on the dial (i.e. the 12 MHz BFO is shifted down about 700 Hz when you key down, which causes the transmit frequency to shift *up* by the same amount since it's the difference 22.1 and 12). It's almost impossible to tell by ear, but when I measured my rig, the response was about 6 dB higher on the lower frequency response. In other words, opposite sideband rejection is only about 6 dB.

Here's another related question: The 38S board has a space on it for another IF filter crystal. Was this mod ever pursued?

Charlie
KX7L

--
Charlie Panek
mailto:charlier@lsid.hp.com
Hewlett Packard Company
Lake Stevens Division
Everett, Washington

Date: Fri, 5 Dec 1997 09:12:00 -0800
From: "Michael A. Gipe" <mgipe@reliablemeters.com>
To: <wr.moore@worldnet.att.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [32001] Fox: My face is red
Message-ID: <199712051743.LAA21511@multi13.netcomi.com>

MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Randy and the gang --

I owe everyone an apology for unintentionally QRMing the fox and hunters last night.

I finished catching my pelt (thanks, Randy) and then heard AB7TK catch his. I slipped in a quick 'up' to AB7TK and started tuning up the band for a clear space. I found one about 4 kHz up, sent a quick QRL? which was unanswered, then proceeded to send a nice loooong call for AB7TK. I was surprised when I didn't hear a reply, because I sent his call a long time. Then I looked at the rig and realized that I still had it in split mode, and, while I was listening at 7.046 kHz, I was still transmitting on top of the fox! Ouch!

Well I fixed that and had a nice QSO with Randy, but I still feel bad for stomping on everyone. Thank goodness it was five watts and not 50!

Please accept my apologies.

Mike K1MG

PS: Score this week: foxes: 2 blunders: 2 Who said this foxhunt was a good way to improve our operating techniques?)

Date: Fri, 5 Dec 1997 11:26:54 -0600
From: kreinbd@ccgate.dl.nec.com (David Kreinberg)
To: qrp-1@Lehigh.EDU
Subject: [32002] NO FOX, HOW 'BOUT ARUBA
Message-ID: <0004D5B9.4159@ccgate.dl.nec.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit
Content-Description: cc:Mail note part

Gang,

Heard Randy, but didn't manage to bag him here last night. Tuned down the band and worked

P4/K9TM. So, guess the dipole antenna is
doing the job.

Hope to work some of you in the 160m deal this
weekend. Now that will be a good test for the noodle.

73 de Dave NR3E/5
nr Dallas, TX
qrp-1 #25

Date: Fri, 05 Dec 1997 09:49:13 -0800
From: Laura HALLIDAY <ve7ldh@direct.ca>
To: qrp-1@Lehigh.EDU
Subject: [32003] Re: 9850 vs 7008 DDS
Message-ID: <34883E99.14C1F220@direct.ca>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Steven Weber wrote:

> (snip...)
> The spurs generated by either the 9850 or the 7008 are below
> the limits we need for QRP transmitters. In receiver
> applications, the spurs, even those in the 9850 are more than
> what many people feel are acceptable. This is definatly the
> case for a high end, high performance receiver. To some extent,
> this problem can be minimized by using band pass filters between
> the DDS and the Rx mixer. On the other hand, it is very difficult
> to build a VFO that will cover the whole HF specturm with the
> turn of a knob, with digital read out, 1 Hz resalution, low
> phase noise and rock solid stability, so the occasional spur we
> might hear is a very acceptable trade off in my book.

It's 1997, and we can have all those capabilities easily and
cheaply. No tradeoffs required. Why mess around? You *can* have
it all.

If I really wanted that kind of frequency coverage I'd use a DDS,
programmed to cover a modest frequency range where I had (by
testing it, by studying the documentation, or by educated guess)
found it to be particularly clean. Then I'd follow it with a
summing-loop PLL to move it to whatever frequency range I wanted,
and clean up the spurs. For full frequency coverage, program the

microcontroller to coarse-steer the PLL VCO, and let the PLL do the rest.

> The main problem with the 9850 is its size. It's just sooo
> darn small. It's hard to fabercate a homebrew pcb for it
> (although it can be done, I've done it) and is a pain to
> solder on the board...

Broken record time: then we need new PCB techniques, and need new soldering techniques. Like the ones the pros use - in this case, you'd stick the chip down with solder paste and reflow it with hot air. Easy. Idiot proof.

I cringe at the thought of using a DDS chip (even a 7008) on anything other than a properly designed PC board with proper grounding and bypassing - the signals screaming around those things are *fast*.

...laura

Date: Fri, 5 Dec 1997 10:55:08 -0700 (MST)
From: bcutter@teal.csn.net (Bob Cutter)
To: qrp-1@Lehigh.edu
Subject: [32004] DX is DX in a contest
Message-ID: <199712051755.KAA21798@ns-1.csn.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Ade's comment is well taken.

I like to use contests as QRP "proving grounds". I generally have two or more antennas that I switch between for both receive and transmit and I make a log entry of what antenna(s) worked. Sure it is not easy and the rush is short lived but you can also accomplish a lot of "testing" in a short time.

One thing I have learned and developed is a feel for what a workable(by QRP) received signal sounds like. It is not all signal strength alone but the tone and time of day to certain areas of the world. A contest is the best time and place to get this kind of practice in a short period of time.

72, Bob KI0G

Date: Fri, 05 Dec 1997 10:27:00 -0700
From: "Michael Fletcher" <kl7ixi@mailcity.com>
To: qrp-l@Lehigh.edu
Subject: [32005] Help! Surface Mount TiCK1
Message-ID: <INOFDDEKNFGEAAAA@mailcity.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hellow QRPers,

I soldered together a surface mount TiCK 1 keyer kit and all the thing would do is send 5 dits when turned on, then occasionally go into a sequence of random letters.

I thought that I had probably zapped the chip so ordered another one and stripped the board to check for shorts -- None.

Installed the new chip, same thing. Replaced the discrete components -- resistor, cap and transistor. Same thing. Only thing that hasn't been replaced is the quarter-size 3v battery which reads 3.04v on the DMM. I'll try that next but am I missing something obvious here???

72,
Mike KL7IXI
SW Washington
Sierra, .38 Special, 40m extended double zepp
AK ScQRPions AK/QRP NorCal QRP-L

Free web-based e-mail, Forever, From anywhere!
<http://www.mailcity.com>

Date: Fri, 05 Dec 1997 13:38:56 -0500
From: "Ed Hare, W1RFI" <ehare@arrl.org>
To: qrp-l@lehigh.edu
Subject: [32006] Re: Fox: My face is red
Message-ID: <34884A40.7252@arrl.org>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Michael A. Gipe wrote:

> PS: Score this week: foxes: 2 blunders: 2 Who said this foxhunt was
> a good way to improve our operating techniques?)

"Experience is the name some people give to their mistakes."

"Experience is a wonderful thing. It enables us to recognize our
mistakes when we make them again."

I don't know who should get the credit, but I am quoting from memory.

72,
Ed

Date: Fri, 5 Dec 1997 12:02:47 -0700
From: "Steve Hurst" <shurst@magiclink.com>
To: <qrp-1@lehigh.edu>
Subject: [32007] Thanks to all
Message-ID: <199712051900.0AA194458@nss4.cc.Lehigh.EDU>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Gang,

Last night I sent out several "Thank you's" to all who responded to my
recent questions regarding "Grounding " and the " WBL " paddles. This
morning I check my e-mail to find that most of everything I send last night
was returned " Undeliverable" !!! I've been having this trouble for the
past few days, so me thinks my ISP is playing around with their system.

So THANKS TO ALL WHO HAVE RESPONDED TO MY QUESTIONS !!!
I did try to thank you all on a more personal level, but the e-mail gods
thought otherwise ! Great group, tnx..... Happy Holidays to all !!!!

73,
Steve Hurst
KA7NOC (southern Idaho)
<http://www.magiclink.com/web/shurst>
shurst@magiclink.com

Date: Fri, 05 Dec 1997 13:08:51 -0600
From: "Jeff M. Gold" <jmg@tntech.edu>
To: QRP-L <qrp-l@Lehigh.edu>
Subject: [32008] [Fwd: SG-2020]
Message-ID: <34885143.F591F13E@tntech.edu>
MIME-version: 1.0
Content-type: multipart/mixed; boundary="-----AE7DFDF21B5A1B4F32895137"

This is a multi-part message in MIME format.

-----AE7DFDF21B5A1B4F32895137

Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Well, looks like either we spoke too soon, or that all our grumbling was heard.. power to the people, and many thanks to SGC

72

Jeff, AC4HF

--

Jeff M. Gold, Manager
Academic Computing Support
Tennessee Technological University
(615)372-3979

-----AE7DFDF21B5A1B4F32895137

Content-Type: message/rfc822
Content-Transfer-Encoding: 7bit
Content-Disposition: inline

Return-path: <SGCMKTG@aol.com>

Received: from mrin42.mx.aol.com ("port 2972"@mrin42.mx.aol.com)
by tntech.edu (PMDF V5.1-10 #24187)

with ESMTP id <01IQTBT30UJK8WZHU4@tntech.edu> for jmg@tntech.edu; Fri,
5 Dec 1997 12:11:11 CST

Received: (from root@localhost) by mrin42.mx.aol.com (8.8.5/8.7.3/AOL-2.0.0)
id NAA16928 for jmg@tntech.edu; Fri, 05 Dec 1997 13:10:37 -0500 (EST)

Date: Fri, 05 Dec 1997 13:10:37 -0500 (EST)

From: SGCMKTG@aol.com

Subject: SG-2020

To: jmg@tntech.edu

Message-id: <971205131036_381213004@mrin42.mx>

Jeff,

Your order will be processed at the original price of \$595.00 including the microphone.

Orders received after Dec. 8, 1997 will be \$624.95

Thank you!

Robert Gregg AB6CH
SGC

-----AE7DFDF21B5A1B4F32895137--

Date: Fri, 05 Dec 1997 14:20:13 -0500
From: Michael Maiorana <mikemo@ibm.net>
To: kl7ixi@mailcity.com
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [32009] Re: Help! Surface Mount TiCK1
Message-ID: <348853ED.1344@ibm.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Michael Fletcher wrote:

>
> Hellow QRPers,
> I soldered together a surface mount TiCK 1 keyer kit and all the thing would
do
> is send 5 dits when turned on, then occasionally go into a sequence of random
letters.
> I thought that I had probably zapped the chip so ordered another one and
stripped
> the board to check for shorts -- None.

Since all the components were replaced, I would assume that the problem
lies elsewhere. What kind of circuit board is it? Is it double sided?
Does it have plated thru holes? I would suspect an open or short on the
circuit board.

--

If it's tourist season, why can't we shoot them?

Date: Fri, 5 Dec 1997 11:25:28 -0800 (PST)
From: Randy Foltz <rfoltz@wsunix.wsu.edu>
To: Michael Fletcher <kl7ixi@mailcity.com>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [32010] Re: Help! Surface Mount TiCK1
Message-ID: <Pine.OSF.3.95.971205112128.948B-100000@unicorn.it.wsu.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Howdy, Mike.

I got a surface mount TiCK at Pacificon and assembled it. It would just send a string of dits. I also checked all the wiring and found no shorts. Then I looked at the circuit board and found a very tiny short on the board from the dit lead to the ground lead. It was adjacent to the chip. Scratched it away and now it works fine. So, take a look at your board

72,

Randy

AB7TK ARCI QRP-L NORCAL NWQRP ARS

Moscow, ID

Date: Fri, 05 Dec 1997 19:31:02 +0000
From: Ed Loranger <we6w@qsl.net>
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [32011] FOX:"The Tale Of The Christmas Fox"
Message-ID: <34885676.44C2@qsl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

It's Friday friends!

Amateur Radio story by
Ed Loranger.

The Tale Of The Christmas Fox

Entering the tall brush, the little fox had finally left the forest. His heart raced as he darted from one shelter to the other. Gently sweating after his recent brush with danger, he began to cherish the refreshing breeze created by his efforts. The fox continued to run. "There's another one.", he thought. The gentle creature forged a route toward the antenna farm, eyeing a light in the distance. The warm glow guided him to a side door of a small shack, attached to the main house. The door was slightly open. Delicately, the fox slipped into the hedge near the door. Watching from the comfort and security of his perch, he waited for the human to leave.

The fox surveyed the light streaming passed the door and down the steps, seemingly melting the glistening frost that had remained after the last snow. It was dark and the fox was damp and cold. Soon he would be inside, warming his sleek, yet fragile body next to the warm box on the table. He eyed it eagerly.

Inside, the man finished his pipe and gently rapped its contents into the ashtray. This produced a gentle, melodic sound, slightly muffled as if not to disturb a nearby sleeper. Satisfied, the man placed the pipe on a small metal dish. After 2 hours of low power operation, this amateur radio operator had succeeded in breaking the pileup and working that special FOX station. Quietly the man began organizing his tools. Pencil and paper, headphones, everything had a place. However, The man soon became more engrossed in his clean-up effort. "Where is it?", he mumbled to himself. He looked further, almost frantic. A stack of papers began to form at the left of the table.

"Ah, there you are, you sneaky devil!", the man squealed. Startled, the fox retreated deeper behind his shrub, but he still eyed the man cautiously. "All is OK", thought the fox, as the man strained behind his equipment, dragging a single red fox-tail hair from between his rig and tuner -- carefully placing the treasure next to others between the pages of a book. Delighted, the man gently smiled, eyed his fibrous collection and left the room. "Tomorrow there will be another one.", sang the man, as he clicked the door behind him.

The fox wasted no time. He had to get warm. Gathering speed, his body in careful alignment, tail flowing in concert with his up and down body movements. Had to catch the chair just right. And with supreme agility he succeeded in landing atop the old boatanchor rig.

As was his custom, the creature circled, almost biting his tail. He did this many times, each time feeling the warmth at different locations atop the rig. As if prehensile, he extended his tail allowing it to dry evenly, becoming a silky red. Satisfied with the splendor of his tail, the fox curled himself into a loose ball, one of comfort.

And he slept soundly in the warmth; escaping refreshed the next morning, ready for another hunt.

But not before pinching a single strand of hair from his tail between the rig and tuner.

-Ed Loranger, we6w, (c) 12/5/1997

--
72/73 de we6w qrp es cw ONLY (From non-ham to extra in one day!)
HW-8,OHR-100, Pixie2, Johnson Viking II, Drake TR-3
QRP-L#1068,ARCI#9397,Norcal#2227,ARS#275,AR#112 grid CM88ok
mailto:we6w@qsl.net http://www.qsl.net/we6w

Date: Fri, 05 Dec 1997 14:58:48 -0500
From: "John P. Spoonhower" <spoon@kodak.com>
To: qrp-l@Lehigh.EDU
Subject: [32012] FS: OHR-400 + keyer
Message-ID: <34885CF8.21B9@kodak.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Guys, I apologize if this already posted, but I didn't see it..

Everyone, I have decided to put up for sale a built OHR-400 complete with manual and keyer (internal). The rig is in excellent condx -- no blems, in perfect operating condition. 4 band, superhet, 5 W, QSK, etc.
If you want a complete description just drop me some e-mail. price \$320 shipping in Continental US included.
72, john, kc2du

Date: Fri, 05 Dec 1997 12:57:48 -0700
From: tom whalen <whalen@swcp.com>
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [32013] NN1G
Message-ID: <34885CBC.4CCB@swcp.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Does anyone have the e-mail address for NN1G, Mr. Benson of Small Wonders Labs? I cant find it on his web page. Thanks, Tom WB5QYT

Date: Fri, 05 Dec 1997 14:10:01 -0600

From: Roger Whitaker <k9lj@iname.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.edu>
Subject: [32014] FS: YAESU solid state QRP - Model FT-7
Message-ID: <34885F94.9718BB21@iname.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

This nice transceiver is in good condition not used mobile by me. Runs 25 watts max., 80-10 meters pre-WARC. Operates well on all bands CW & SSB. Deal includes mic., manual and d.c. power cord. You can see a picture of the rig on my operating desk at my website below. \$335.00 money order or certified check. Price includes insured shipping in US. Offered on the QRP reflector first to give my QRP friends the first shot..

72, Season's Greetings & tnx

--

Roger B. Whitaker K9LJB

"In this house, we obey the laws of thermodynamics!" Homer J. Simpson

Home page: <http://www.cityscape.net/~whitaker/>

Date: Fri, 05 Dec 1997 13:32:09 -0700
From: Gary Hembree <Gary.Hembree@ASU.edu>
To: qrp-1@Lehigh.edu
Cc: tentec@contesting.com
Subject: [32015] WTB: TenTec 9MHz Filters
Message-ID: <348864C9.3F85@ASU.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I need the TenTec model 217 (500Hz), 218 (1.8KHz) and 219 (250Hz) 9MHz filters. I would also like to obtain a few of the 4 pole 2.7KHz 9MHz filters that came with the stock Argosy and in the 1st IF of the Corsair. Please email type, quantity available and asking price.

73,

Gary Hembree, N7IR
gary.hembree@asu.edu

Date: Fri, 05 Dec 1997 15:36:42 EST
From: kq0i@juno.com (Mark R Milburn)
To: qrp-1@Lehigh.EDU
Subject: [32016] Fox schedule
Message-ID: <19971205.143558.5311.1.KQ0I@juno.com>

Somehow I diddled up my schedule and moved one of the foxes from last night to tonight. As a result, I didn't look for the second fox.
Drat!

Tonight I show W2MBY at 5 PM and KC2CFZ at 8 PM. Is that somewhere close to correct?

72/73 Mark

Mark Milburn, KQ0I@W0AK.#CIA.IA.USA.NA E-mail KQ0I@juno.com
ARRL;QRP-L #625;NORCAL #1829;ARS #139;NW QRP #418;QRP ARCI #9226

Date: Fri, 5 Dec 1997 14:47:53 -0600
From: Tim Ahrens <tahrens@inetport.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>, we6w@qsl.net
Subject: [32017] Re:FOX:"The Tale Of The Christmas Fox"
Message-ID: <199712052047.0AA00316@admin.inetport.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: quoted-printable

Ed - That's great! It brings back fond memories from past rigs, ops & times, as well as new yet to be done hunts.

Thank you for a great story!

Tim W5FN

From: Ed Loranger <we6w@qsl.net>
Subject: FOX:"The Tale Of The Christmas Fox"

Date: 12/05/1997 7:31:02 pm
y by
Ed Loranger.

The Tale Of The Christmas Fox =20

Date: Fri, 5 Dec 1997 14:47:56 -0600
From: Tim Ahrens <tahrens@inetport.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>, ve7ldh@direct.ca
Subject: [32018] Re: 9850 vs 7008 DDS
Message-ID: <199712052047.0AA00321@admin.inetport.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: quoted-printable

Laura HALLIDAY wrote :

> (snip...)

> Then I'd follow it with a summing-loop PLL to move it to > whatever=
frequency range I wanted, and clean up the=20
> spurs.=20

Like the RTX210 from Hands/Kanga

cu =20

Tim W5FN

Date: Fri, 05 Dec 1997 20:50:37 +0000
From: Ed Loranger <we6w@qsl.net>
To: kq0i@juno.com
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [32019] Re: Fox schedule
Message-ID: <3488691D.FCC@qsl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

I was fortunate enough to get Randy, then after I bagged/Tagged/Collated and characterized the length/breadth and color of my pelt collection, I went inside for an early bedtime.

Fat, dumb and happy.

Until 10 PM in the evening when the dogs woke me up for their toilet break....

Went out to the rig and was casually eyeing the schedule when !!!!!!!!!????????***8^6((((

OH MY! What THE?

AL7FS. Man I could'a got him!

Man, there went a chance to get by Doc! =:^0

And I thought one just needed gud ears.
Now we gotta have good eyes too!

72 all

-Ed L.

--

72/73 de we6w qrp es cw ONLY (From non-ham to extra in one day!)
HW-8,0HR-100, Pixie2, Johnson Viking II, Drake TR-3
QRP-L#1068,ARCI#9397,Norcal#2227,ARS#275,AR#112 grid CM88ok
mailto:we6w@qsl.net <http://www.qsl.net/we6w>

Date: Fri, 5 Dec 97 11:10:18 HST
From: mike@krypton.nmr.Hawaii.Edu (Mike W. Burger)
To: qrp-l@lehigh.edu
Subject: [32020] foxes
Message-ID: <9712052110.AA02778@krypton.nmr.Hawaii.Edu>

Who is in charge of assigning foxes? Who might have the list of future foxes that are scheduled and other info on foxhunting?

It is way to early for HI weekdays, so any weekend or late schedules would be particularly interesting.

Please respond via private Email if this is generally known information:

mike@hawaii.edu

Mike Burger University of Hawaii at Manoa Department of Chemistry
AH7R - QRP-L #1053 - FISTS - BL11ch - Honolulu County

Date: Fri, 05 Dec 1997 21:13:56 +0000
From: Ed Loranger <we6w@qsl.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.edu>
Subject: [32021] FOX: AL7FS is DEC 12th!!!
Message-ID: <34886E94.D6D@qsl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

A friendly email just informed me.

1997-1998 FOXHUNT SCHEDULE
December 2, 1997. Version 1.6

10	MN N0UR	Dec 3	0100-0300	AL KS4L	Dec 5	0200-0400
11	MI K8CV	Dec 9	0200-0400	IN N9DD	Dec 11	0100-0300
	AK AL7FS	Dec 12	0200-0400	**		

So Jim is Dec. 12th.

We're ok. Only 2 foxen last night, not 3.

Must now track fox and schedule to keep up.

72 all and hope AZ and Los Angeles in CA
stay dry this weekend. Bad storm a-brewin'

Take care.
-Ed

--

72/73 de we6w qrp es cw ONLY (From non-ham to extra in one day!)
HW-8,0HR-100, Pixie2, Johnson Viking II, Drake TR-3
QRP-L#1068,ARCI#9397,Norcal#2227,ARS#275,AR#112 grid CM88ok
mailto:we6w@qsl.net <http://www.qsl.net/we6w>

Date: Fri, 05 Dec 1997 15:33:09 -0500
From: "Buck, Preston D" <BuckPD@corning.com>
To: "'qrp-1@Lehigh.EDU'" <qrp-1@lehigh.edu>
Subject: [32022] FOX: N0GLM report for 5 Dec UTC
Message-ID: <6B137F61081DD0118DF600805FEAC5C588BFD8@SILVER.CORNING.COM>
Mime-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7BIT

Greetings All,

I actually got 2 contacts for last night's hunt (5 Dec 97 0000-0200 UTC/
4 Dec 1900-2100 EST).

KQ0I Mark IA 457 449(mine)
KU7Y Ron NV 457 559(mine)

I made initial contact with Mark at about 2000 but before we could get all the info exchanged a W2 started right on my frequency at 20dB over S-9. No QRL? from him. It was amazing because I had my narrow CW mode on and had shifted my filters a bit and he was perfectly zero beat. I tried to finish with Mark but couldn't so had to QSY. I went up about 1 kHz and CQed and Mark came right back to me. I was very pleased that he heard me, I don't like unfinished contacts.

Following that came Ron from NV, which is the farthest distance I have ever worked anybody. After finishing with Ron, the noise level seemed to increase alot and I couldn't make out anything. I thought I heard some CW down in the noise but even after I went QRT and was outside taking down the antenna, I kept hearing CW. Even the trucks on the highway were sending CW.

A couple of questions for more the more experience out there.

1. My Yeasu 757GX has a NB button and know, which I assume is the noise blanker. Also there is a shift and width knob. I don't understand how to use either of these so if somebody could explain it to me I would appreciate it.
2. What is the most effecient way of asking for fills for a specific piece of information, i.e. only QTH?

73
Preston, N0GLM

Date: Fri, 05 Dec 1997 21:55:50 +0000
From: Ed Loranger <we6w@qsl.net>
To: BuckPD@corning.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.edu>
Subject: [32023] Re: FOX: N0GLM report for 5 Dec UTC
Message-ID: <34887866.1990@qsl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hey Preston! It was really fantastic to actually hear you last night. That's right. All the way to Northern California, about 30 miles East of the Pacific Ocean and 60 miles North of San Francisco.

Heard you well enough to drop my call and try for you about 5 times. I qsy'd a little up/down in hope to find your happy reception frequency or RIT passband of choice.

You didn't get me, but it was a joy to hear you work Ron. Yup, I got about 90 percent of the exchange and fills between you two.

I thought, "wow, he's got a new antenna!"

I've spent as much time chasing you as you've been on the air as the N/T+ fox. Just like the other N/T+ foxii. It is a lot of work with all the QRM BC stations but my ears are getting better with the exercise.

I was running 5 watts from the old Drake TR-3 with my new transmit offset mod bringing it to 600 Hz for less qrm. Wish I had the narrow CW filter the HW-8 has. Or get the HW-8 up to 5 watts. Fat chance on the QRO mod with the HW-8.....

Hang in there. Also, I used the straight key.

-Ed Loranger, WE6W

--

72/73 de we6w qrp es cw ONLY (From non-ham to extra in one day!)
HW-8, OHR-100, Pixie2, Johnson Viking II, Drake TR-3

QRP-L#1068,ARCI#9397,Norcal#2227,ARS#275,AR#112 grid CM88ok
mailto:we6w@qsl.net http://www.qsl.net/we6w

Date: Fri, 5 Dec 1997 12:22:07 -0900 (AST)
From: Bruce Hopkins - KL7JAF <kl7jaf@polarnet.com>
To: qrp-l@Lehigh.edu
Subject: [32024] Pixie 2 / HSC Update...
Message-ID: <v03007804b0ada03cdd9b@[204.119.15.120]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi gang...

I have had a few direct responses to my previous post asking if HSC has a web site so I thought that I would pass it along for those that might want to browse it... I have not found any reference to the Pixie 2 on the web pages but may have just missed it... I also received one post from one of our group that has tried several times to communicate with HSC via e-mail and has received no response... Not sure what the problem might be there...

Here is HSC's web site address:

<http://www.halted.com/index.htm>

Take care and have fun... All the best of the Holiday Season to you and yours from the "Frozen Chosen"... I don't live in North Pole but I can see it from the top of my tower !!!

72 / 73 / oo's - Bruce - KL7JAF

Web Page: <http://www2.polarnet.com/~bhopkins>

"Alaska QRP Club" - Web Page: <http://www2.polarnet.com/~bhopkins/akqrp>

Date: Fri, 5 Dec 1997 17:10:59 EST
From: Conway Yee <cyee@bidmc.harvard.edu>
To: <qrp-l@lehigh.edu>

Subject: [32025] Re: 9850 vs 7008 DDS

Message-ID: <12051997171059.3N202T@email.bidmc.harvard.edu>

Laura HALLIDAY wrote :

>> Then I'd follow it with a summing-loop PLL to move it to > whatever
>> frequency range I wanted, and clean up the spurs.

Tim Ahrens (W5FN) comments:

>Like the RTX210 from Hands/Kanga

Well, not quite. Lets not be TOO modest. I think your comment
should read

"Like the RTX210 from Hands/Kanga AND Tim Ahrens(W5FN) et al."

After all, the DDS unit was developed by Tim et al. (as per QEX article)
while the rest of the radio was developed by Sheldon Hands.

Personally, I would prefer if Tim continued to sell his DDS unit
himself. Perhaps he can do so through Bill Kelsey?

tnx es 73 de Conway Yee, N2JWQ

Date: Fri, 5 Dec 1997 16:00:00 -0600

From: Bob Tellefsen-CNSE97 <Bob_Tellefsen-CNSE97@email.mot.com>

To: qrp-l@lehigh.edu

Subject: [32026] Re: KS4L Fox

Message-ID: <M2345302.024.qogiu.1.971205231248Z.CC-MAIL*/OU=LMPCC4/OU=ILBB/
PRMD=MOT/ADMD=MOT/C=US/@MHS>

Wow, Randy, that was fun. Ol' Kenwood really enjoyed himself last night.
We crouched just outside your fox hole, and when the ol' fox muzzle showed in
the opening and the first call went out, we gotcha. One blast from my
California Sure Shot (pat pend) and another pelt on the wall. Sounded like the
traditional pileup after that.

Listened to you for the next hour or so, and copied as many hunters as I could.
Heard AB7TT, N7VE, N7KT, AB7MY, K10J, K5JHP, KA5TR, AB7TK, K1MG, VE5RC, N0UR,
K5ON and AK1P. Moved off frequency and worked a few QSO's, including WA9PWP who
was taking a breather from the hunt. Think he went back looking for you after
we signed, but didn't hear him again.

Hope it was a good outing for you, Randy. Thanks for the pelt.

72, Bob N6WG and Ol' Kenwood

Date: Fri, 05 Dec 1997 23:06:40 +0000
From: Ed Loranger <we6w@qsl.net>
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [32027] Use for XEROGEL
Message-ID: <34888900.5934@qsl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Had to share this. It is too interesting not to share.

Today's local paper in the business section had a brief on
a chip design breakthrough by Texas Instruments.

"The discovery is a method for insulating the microscopic
copper wiring on the surface of a semiconductor with a material
called xerogel."

Many years ago, I think 1933, xerogel was invented. It is
something like 98 percent air! And it can support some
weight, kind of like an ant and a cookie crumb. Good
ratio of weight supported to total weight.
How do I remember this stuff?

Additional Summary Paraphrased: This will allow the use
of copper in chips instead of Aluminum. The problem has
been that copper contaminates the circuit and this breakthrough
should eliminate the problem.

FYI: Faster, cooler computers folks!
-Ed
--

72/73 de we6w qrp es cw ONLY (From non-ham to extra in one day!)
HW-8, OHR-100, Pixie2, Johnson Viking II, Drake TR-3
QRP-L#1068, ARCI#9397, Norcal#2227, ARS#275, AR#112 grid CM88ok
mailto:we6w@qsl.net <http://www.qsl.net/we6w>

Date: Fri, 5 Dec 1997 15:18:15 -0800 (PST)
From: John Moriarity <k6qq@SOCAL.WANet.com>
To: qrp-l@Lehigh.EDU
Subject: [32028] Re: Best way to de-flux circuit boards?
Message-ID: <3.0.16.19971205135126.219f62f8@SOCAL.WANet.com>
Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

Hi,

I finally had to jump in with my two cents worth.

I DON'T de-flux my circuit boards! Unless you are using altogether too much solder, or making repeated repairs on the same point, the amount of flux left should be minimal. In the case of normal "radio" kinds of circuits, the impedances are low enough that the residue will cause no problems. Only in the case of extremely high impedance circuits would you need to clean your boards.

On what do I base my opinion? Thirty-four years as an E.E. in industry. I know, there are some cases where it is done (I went to N.A.S.A soldering school too), but look at the boards in your TV set, etc.

Of course, if you *really* like to look at a squeaky clean board before you hide it in a case, by all means, go ahead, enjoy!

72,

John, K6QQ

Date: Fri, 05 Dec 1997 23:23:54 -0800
From: WA8GHZ /5 Jack Dougherty <jdougher@wt.net>
To: qrp-1@Lehigh.EDU
Subject: [32029] Re: PIXIE 2 Kits...
Message-ID: <3488FD8A.207D@wt.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

They said they're coming - I ordered 2 on Tuesday, Dec 2 and HSC reported they had just received a shipment, but it was substantially committed to backorders and that a second shipment was expected next week which was where my order would probably fall into - straightforward and honest answers when I asked about delivery.

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The XYL went out with Shopping with Daughter, so It looks like I may be able to make it. Rockville... :^(

72 ES
QRP DX TU (C) 1986, G. "Danny" Gingell, K3TKS@ abs.net
QRP A.R.C.I. Net Manager and Board of Director Member.
George D. Gingell, Jr. 3052 Fairland Road, Silver Spring, MD 20904-7117
Maryland Milliwatt Club QRP Reference Library, (301)572-6789
Maryland Milliwatt Club Founder and Trustee of Club Station KB3BVG
Grid Square FM19mb 76.94 W - 39.06 N Silver Spring, MD 20904 QRPea.A.

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> Do you have an interest in QRP? Are you hungry for some good pizza?
>
> FRIDAY, DECEMBER 5, 7:30 p.m.
>
> It's Later because of the greater distances required to be covered, and
> the increased possibility that WA7SSA will be able to attend after his
> meetings (visiting from Eye-da-ho).
>
> After a MYRIAD of complaints about the inconvenience of locating the DC
> area get-togethers in Laurel or elsewhere, I have taken the opportunity to
>
> MOVE
>
```

> this one further north. Equidistant from Germantown, Tyson's Corner,
> DC, and Laurel.
>
> Giuseppe's Pizza Plus
> 213 N Washington St.
> Rockville, MD 20850-1702
> 301-424-0413
>
> This is in downtown Rockville, in the shopping center with Magruder's
> supermarket.
>
> I-270 to Falls Rd. (189) exit, north.
> Left on S. Washington St., which becomes N. Washington...
>
> >From Rt. 355, you're on your own. If you can handle 355, you can
> CERTAINLY find this place :)
>
> (trust me, I'm from Noo Yawk, and this is some SUPERB pizza, or at least
> it was last time I was there a month ago...and it's still in business...)
>
> Good food, good people, BRING YOUR TOYS! Niel will have his THP-750 with
> him (assuming he doesn't get called into work).
>
> See you there! (if you want to carpool from Laurel, contact me)
>
> (no amplifiers allowed through the door, please)
>
> * Scott Rosenfeld NF3I Burtonsville, MD FM19mc QRV 80-10/6/2/440 *
> * 6m 80 grids on 8w * DXCC WAS WAC * QRP-L #147 * QRP ARCI #9054 *
> * Charter member, Maryland Milliwatters * W3-VK on 3w mobile CW *
> *** 301-549-1022 h / 301-982-1015 w ** Life is one big hamfest ***
>
>

Date: Fri, 05 Dec 1997 23:30:19 +0000
From: Ed Loranger <we6w@qsl.net>
To: k6qq@SOCAL.WANet.com
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [32031] Re: Best way to de-flux circuit boards?
Message-ID: <34888E8B.6649@qsl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

This is very true. Mildly Activated and Water-White fluxes provide another function: They encapsulate impurities resulting in a non-conductive protective covering.

Partial washes actually release offending impurities, ergo if any flux removal is attempted -- it must be 100 percent completed.

It is acceptable, in my training, to chip away at flux with a hobby knife. The crystalline structure maintains its hold on the impurities in this manner.

This contribution humbly submitted.

P.S. It is easier to troubleshoot clean boards, however.

-Ed L., we6w

John Moriarity wrote:

>
> Hi,
>
> I finally had to jump in with my two cents worth.
>
> I DON'T de-flux my circuit boards! Unless you are using altogether too
> much solder, or making repeated repairs on the same point, the amount of
> flux left should be minimal. In the case of normal "radio" kinds of
> circuits, the impedances are low enough that the residue will cause no
> problems. Only in the case of extremely high impedance circuits would you
> need to clean your boards.
>
> On what do I base my opinion? Thirty-four years as an E.E. in industry.
> I know, there are some cases where it is done (I went to N.A.S.A soldering
> school too), but look at the boards in your TV set, etc.
>
> Of course, if you *really* like to look at a squeaky clean board before you
> hide it in a case, by all means, go ahead, enjoy!
>
> 72,
>
> John, K6QQ

--

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HW-8, OHR-100, Pixie2, Johnson Viking II, Drake TR-3
QRP-L#1068, ARCI#9397, Norcal#2227, ARS#275, AR#112 grid CM88ok
mailto:we6w@qsl.net <http://www.qsl.net/we6w>

Date: Fri, 05 Dec 1997 23:32:26 +0000
From: Ed Loranger <we6w@qsl.net>
To: jldougher@wt.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.edu>
Subject: [32032] Re: PIXIE 2 Kits...
Message-ID: <34888F0A.6F08@qsl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I ride my bicycle by HSC everyday on the way home.

Maybe I'll go there this weekend and report on what they've got.

I'll be off the list until Monday so y'all have a nice weekend.

73 es gn.

-Ed

--

72/73 de we6w qrp es cw ONLY (From non-ham to extra in one day!)
HW-8,0HR-100, Pixie2, Johnson Viking II, Drake TR-3
QRP-L#1068,ARCI#9397,Norcal#2227,ARS#275,AR#112 grid CM88ok
mailto:we6w@qsl.net <http://www.qsl.net/we6w>

Date: Fri, 05 Dec 1997 16:58:57 -0700
From: tom whalen <whalen@swcp.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.edu>
Subject: [32033] NN1G
Message-ID: <34889541.3AB0@swcp.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Thanks for all the replies for Mr. Benson's email address. 72,Tom

End of QRP-L Digest 930
